





Control and Signaling Devices Ø 22.5 Metal Series

MRP with effect from 10.07.2023



Salient features

This range of Ø22.5 pushbuttons, selector switches, illuminated switches, illuminated selector switches and pilot lights have been designed to provide the following salient features:

- aesthetically elegant Economy of space
- SELF WIPING COTACT
- · Robust in materiels of construction

- Simple to fix screw driver is all that required
- Safe in operation
- · Very good flame resistance

· Shrouded terminals

- Fixing method unaffected by excessive vibration-Unit does not rotate
- Protection against electric shock (unit earthed)

Actuators

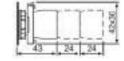
The circular actuators have chrome plated metal bezels, and are interchangeable on the different types of contact elements.

Contact Elements

The contact elements are double break and have self-wiping contacts.

The elements are interchangeable and can be stacked without additional hardware,

1 to 6 elements (NO or NC) can be used with non-illuminated actuators, whereas, 1 to 4 elements (NO or NC) can be used for illuminated actuators, Gold plated NO and NC contact elements for low voltage, low current switching circuits < 25 mA, are available



Illuminated pushbuttons and pilot lights

Pilot lights and illuminated switches are suitable for direct connection, through series resistor, through series resistor and diode, using bayonet cap filament bulb type BA9S, as follows:

Supply voltage for direct connection without series resistor: 6V-130V Supply voltage through series resistor and diode 230V AC

..: Filament, type BA9S with OAL max., 28 mm

LED illuminated actuators & pilot lights are available with integral LED, LED in bayonet cap suitable for operating at various voltages namely 6V, 12V, 24V, 30V, 48V, 110V, 230V, AC or DC and 415V AC. LED bulbs with bayonet cap are constructed in the standard BA9S design with OAL max. 28 mm. On request an extra short circuit protection consisting of built in fuse in the LED modules can be provided.

Pilot lights are available with but in transformers suitable for operating at 230. 110 volts AC Input and 6V, 12V and 24V output.

Terminals

Contact elements and pilot lights are designed to have shrouded terminals with combi screws,

Fixing arrangement

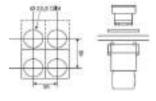
The control devices Ø22.5 can be fixed in any position on panels of

1 to 6 mm thick ness. We recommend minimum fixing centers of 30 mm X 40 mm.

However, the dimensions and configuration should be decided on the basis of the application. The actuators and the lenses assemblies lock on to the holding bracket using a bayonet type of fixing which enables a simple and fast assembly. The complete assembly is locked into position on the panel by two M4 pointed screws on the bracket, lightened equally from the rear.

The screws should be tightened adequately lo such an extent as to pierce through the paint on the panel from inside.

These screws also ensure the earthing of the unit.



Electrical and mechanical characteristics

Environment

: CSA - C22.2 No. 14-95, UL508, IEC 947 • 5 (1) 1990, IS 13947 Standard conformity

Approval : ASTA UK certified as per IEC 947 - 5 - (1) 1990

: CSA - C22.2 No. 14° 95, UL508

: IP 65 as per IEC 529, NEMA 4X, 12 as per UL 50 Degree of protection Operating Position : All Position

Contact Block

Rated insulation voltage : 500 V Rated thermal current · 10 A

: Self wiping, slow break NO or NC Contact operation

Make and break capacity

As per IEC 947 - 5 • (1) 1990 : AC 15 4A, 415V AC : DC13 0.5A 110V DC

As per CSA - C22.2 No. 14-95, UL508 : A 600 Q600

: minimum 1 x 0.5 mm', maximum 2 x 1.5 mm' or 1 x 2.5 mm' Terminal capacity

Terminal marking : 1- 2 for NC, 3-4 for NO

: 10 A cartridge ruse HRC type, rated for resistive loading Short circuit protection

Mechanical life : Over 1 million operations

V 24 120 230 DC 13 Electric rating (For 1 million operation cycles, operation at 3600 cycles per hour, load factor 0.5)

Modules for pilot light & illuminated switches with integral LED I multichip LED bulb (BA9S cap)

Current consumptions (applicable to all colours)

24 VAC/DC, 110 VAC & 240 VAC : max .20 mA 110 VDC : max.15 mA 220 VDC : max.10 mA Service life (al nominal voltage and at : 50,000 hours

Ambient temperature of 25°C) Voltage limits (nominal voltage) : <20 % of rated voltage> Short circuit protection : on specific request

Terminal capacity : min. 1 x 0.5 mm2, max. 2 x 1.5 mm2 or 1 x 2.5 mm2

Control and signalling devices Ø 22.5 Ordering instructions 1. Actuators, illuminated actuators, contact elements, lense assemblies & pilot lights can all be ordered separately or in combination. 2. The type numbers of contact elements are : NO: Actuator mounting : 51, 53 Note: Individual mounting \$5, \$7 S3, S4, S7, S8 are gold plated contacts Actuator mounting 82, 84 suitable for low voltage, low current Individual mounting : S6, S8 switching circuits < 25 mA Some examples of type numbers: Type 2AF3 is flush actuator, GREEN Pilot light Type 2PLB4 is pilot light without series resistor, RED Complete pushbutton: Type 2PSF411 is flush pushbutton, RED, with 1NO+1NC contact elements. 1NC ofement S2 1NO element S1 Colour actuator, RED Ø 22,5 flush type pushbutton MERGEN Accessories and spares Legend plates Legend plates 30 x 40 mm are supplied with the following standard texts: START FORWARD UP OPEN AUTO SLOW RESET ON HIGHT TRIP STOP REVERSE DOWN CLOSE HAND FAST INCH OFF LEFT POWER ON STOP Legend plate Ø 60 mm yellow with black characters for EMERGENCY STOP Filament bulb Filament bulb type BA9S, OAL 28mm 30 Voltage : 6 12 24 48 60 130 2 2 2 2 2 2,6 Watte : 1 LED bulb LED multichip bulb type BA9S, OAL 28mm Colour Green Red. Amber Blue Yellow W White Type No. : MCB9124 MCB0324 MCB9424 MCB9524 MCB9624 MCB9824 24 0,5 MCB91110 MCB93110 MC894110 MC895110 MCR96110 MC898110 110 1,0 MCB91230 MCB93230 MC894230 MC895230 MC896230 MC898230 230 1,0 Lenses Colour of lense : Translucent Red Clear Yollow Green Amber Blue White For plot lights 2PLL1 2PLL3 2PLL4 2PL1.5 2PLL6 2PLL7 2PLL8 with filament bulb 2LAL1 For illuminated 2LAL3 2LAL4 2LAL5 2LAL6 2LAL7 PLALS actuators with filament bulb (flush/projecting) For pilot lights 2PLL1L 2PLL3L 2PLL4L 2PLL5L 2PLL6L 2PLL7L 2PL1.8t with LED For illuminated 2LAL1L 2LAL3L 2LAL4L 2LAL5L 2LAL6L 2LAL7L 2LAL8L actuators with LED (flush/projecting) Push Push mechanism for converting spring return actuator into stay put type Type No.: 2PPM -22.5-Adaptor for fixing Ø 22.5 devices in Ø 30.5 cutout. Type No.: 2ADP 30.5 Fixing flange Type No.: 2BRK **Padlock** For mushroom actuator type no. 2PAM Fer projecting actuator type no. 2PAP Boots for booted actuators Boot for non ill. flush actuator Colour of Boot : Black Green Red Blue Yellow Colour of Boot : Clear 2917 Type No 2BT2 2BT3 2BT4 2BT6 28T8 Type No Boot for twin actuator Boot for twin ill, actuator Boot for flush / proj. ill actuator Colour of Boot : Clear Colour of Boot : Clear Colour of Boot : Clear 2ATBT7 : 2ATLBT7 Type No : 2ALBT7 Type No Type No

Type No.: 2BP2

Bulb extractor Type No. : 2BA9SE

Blanking plug for Ø 22.5 hole, black





METALLIC SERIES MOMENTARY ACTUATORS TYPF COLOUR ORDERING CODE PRICE IN Rs. White 2AF1 80.50 **Black** 2AF2 80.50 Flush Green 2AF3 80.50 Red 80.50 2AF4 Blue 2AF6 80.50 Yellow 2AF8 80.50 White 2AF1A 105.00 Flush with Black 2AF2A 105.00 arrow marking White 2AP1 80.50 Black 2AP2 80.50 Projecting Green 2AP3 80.50 Red 2AP4 80.50 Blue 2AP6 80.50 Yellow 2AP8 80.50 White 2AF1RR 110.00 Black 2AF2RR 110.00 Flush Relay Reset Green 2AF3RR 110.00 Red 2AF4RR 110.00 Blue 2AF6RR 110.00 Yellow 2AF8RR 110.00 White 2AF1RH 130.00 **Black** 2AF2RH 130.00 **Recess head** Green 2AF3RH 130.00 Red 2AF4RH 130.00 Blue 2AF6RH 130.00 Yellow 2AF8RH 130.00 Black 2AB2 150.00 Green 2AB3 150.00 **Booted** Red 2AB4 150.00 Blue **2AB6** 150.00 Yellow **2AB8** 150.00



		ALLIC SERIES					
MUSHROOM ACTUATORS							
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.			
	Latching	Black	2AMLS2	175.00			
	Ø 30mm	Red	2AMLS4	175.00			
	Momentary Ø 40mm	Black Green Red Blue Yellow	2AM2 2AM3 2AM4 2AM6 2AM8	125.00 125.00 125.00 125.00 125.00			
	Latching	Black	2AML2	175.00			
	Ø 40mm	Red	2AML4	175.00			
	Push-Pull	Black	2AMPP2	175.00			
	Ø 40mm	Red	2AMPP4	175.00			
	Latching with Key	Black	2AMLKB2	350.00			
	Ø 40mm	Red	2AMLKB4	350.00			



Control & Signalling Devices 22.5 Ø

METALLIC SERIES MUSHROOM ACTUATORS TYPE COLOUR **ORDERING CODE** PRICE IN Rs. **Latching Trigger** Black 2AMLT2 260.00 Ø 40mm Red 2AMLT4 260.00 **Latching Trigger** Black 2AMLTKB2 440.00 with key Red 2AMLTKB4 440.00 Ø 40mm Latching Black 2AMLJ2 235.00 Ø 60mm Red 2AMLJ4 235.00 **Push-Pull** Black 2AMPPJ2 235.00 Ø 60mm Red 2AMPPJ4 235.00 Black 2AMJ2 175.00 Momentary 2AMJ3 Green 175.00 Ø 60mm Red 2AMJ4 175.00 Blue 2AMJ6 175.00 175.00 Yellow 2AMJ8



METALLIC SERIES **SELECTOR ACTUATORS TYPE** COLOUR ORDERING CODE PRICE IN Rs. 2 position 2AS2-2P 242.00 LATCHING With ext. knob 242.00 2AS2E-2P Black **MOMENTARY** 2AS2-2PSR 242.00 With ext. knob 2AS2E-2PSR 242.00 3 position 2AS2-3P 242.00 **STAY PUT** With ext. knob 2AS2E-3P 242.00 **MOMENTARY** 2AS2-3PSR 263.00 on both sides With ext. knob 2AS2E-3PSR 263.00 Black **MOMENTARY** 2AS2-3PSRR 263.00 on right With ext. knob 263.00 2AS2E-3PSRR **MOMENTARY** 263.00 2AS2-3PSRL on left With ext. knob 2AS2E-3PSRL 263.00



Control & Signalling Devices 22.5 Ø

METALLIC SERIES KEY SELECTOR ACTUATORS TYPE COLOUR **ORDERING CODE** PRICE IN Rs. 2AK2-2PB 335.00 2 POSITION 2AK2-2PO 335.00 Stayput Black 2AK2-2PI 335.00 Spring Return 2AK2-2POSR 335.00 2AK2-3PA 355.00 2AK2-3PO 355.00 **3 POSITION** Stayput 2AK2-3PB 355.00 Black 2AK2-3PC 355.00 Spring Return 2AK2-3PSR 355.00 Right to Centre 2AK2-3PSRR 355.00 **Left to Centre** 2AK2-3PSRL 355.00 * X stands for position in which key is removable



Control & Signalling Devices 22.5 Ø

METALLIC SERIES TWIN ACTUATORS **TYPE COLOUR ORDERING CODE** PRICE IN Rs. Green 2ATF3F4 160.00 **Double Flush** Red w/o IO Mark Yellow 2ATF8F2 160.00 Black Green 2ATF3F4(IO) 160.00 **Double Flush** Red with IO Mark Yellow 2ATF8F2(IO) 160.00 Black Green 2ATF3P4 160.00 1 Flush Red 1 Projecting Yellow w/o IO Mark 160.00 2ATF8P2 Black Green 2ATF3P4(IO) 160.00 1 Flush Red 1 Projecting Yellow with IO Mark 2ATF8P2(IO) 160.00 Black



Filam 6V to Direct Connection Filam 24V, 4 230 V	TOR WITH FILA TYPE ninated Flush, I ent Bulb 130V AC/DC	COLOUR White Green Red Amber Blue Clear Yellow	2ALF1 2ALF3 2ALF4 2ALF5 2ALF6 2ALF7 2ALF8	215.00 215.00 215.00 215.00 215.00 215.00 215.00 215.00		
Filam 6V to Direct Connection Filam 24V, 4 230 V	ninated Flush, I	White Green Red Amber Blue Clear Yellow	2ALF1 2ALF3 2ALF4 2ALF5 2ALF6 2ALF7 2ALF8	215.00 215.00 215.00 215.00 215.00 215.00		
Filam 6V to Direct Connection Filam 24V, 4 230 V	ent Bulb 130V AC/DC	White Green Red Amber Blue Clear Yellow	2ALF3 2ALF4 2ALF5 2ALF6 2ALF7 2ALF8	215.00 215.00 215.00 215.00 215.00		
Direct Connection Please Filam 24V, 4 230 V	130V AC/DC	Green Red Amber Blue Clear Yellow	2ALF3 2ALF4 2ALF5 2ALF6 2ALF7 2ALF8	215.00 215.00 215.00 215.00 215.00		
Direct Connection Please Filam 24V, 4 230 V	130V AC/DC	Red Amber Blue Clear Yellow	2ALF4 2ALF5 2ALF6 2ALF7 2ALF8	215.00 215.00 215.00 215.00		
Direct Connection Please Filam 24V, 4 230 V	130V AC/DC	Amber Blue Clear Yellow	2ALF5 2ALF6 2ALF7 2ALF8	215.00 215.00 215.00		
Direct Connection Please Filam 24V, 4 230 V	·	Blue Clear Yellow	2ALF6 2ALF7 2ALF8	215.00 215.00		
Filam 24V, 4	e mention the voltage	Clear Yellow	2ALF7 2ALF8	215.00		
Filam 24V, 4	e mention the voltage	Yellow	2ALF8			
Filam 24V, 4	e mention the voltage					
24V, 4 230 V		Ī	ordering code	213.00		
24V, 4 230 V						
24V, 4 230 V		White	2ALRF1	230.00		
24V, 4 230 V	ont Bulb	Green	2ALRF3	230.00		
230 V	48V,110V,	Red	2ALRF4	230.00		
		Amber	2ALRF5	230.00		
Connection with Resistor Please	ACIDO	Blue	2ALRF6	230.00		
Connection with Resistor Please		Clear	2ALRF7	230.00		
Connection with Resistor Please		Yellow	2ALRF8	230.00		
	e mention the voltage	e required after the	ordering code			
Illur	Illuminated Projecting, Momentary					
		White	2ALP1	215.00		
The same of the sa		Green	2ALP3	215.00		
	ent Bulb	Red	2ALP4	215.00		
6V to	130V AC/DC	Amber	2ALP5	215.00		
		Blue	2ALP6	215.00		
		Clear	2ALP7	215.00		
		Yellow	2ALP8	215.00		
Direct Connection Please	e mention the voltage	e required after the o	ordering code			
		White	2ALRP1	230.00		
		Green	2ALRP3	230.00		
WATER STATE	ent Bulb	Red	2ALRP4	230.00		
	48V,110V,	Amber	2ALRP5	230.00		
230 V	AC/DC	Blue	2ALRP6	230.00		
		Clear	2ALRP7	230.00		
		Yellow	2ALRP8	230.00		
Connection with Resistor Please	e mention the voltage					



		METALLIC SERIE					
LLUMINATED FLUSH A	CTUATOR WITH LED/	LED BULB					
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB		
	Illuminated Flush actuator, Momentary						
		White LED / White Lens	2ALRF1L(S)	450.00			
The said	Integral LED	Green LED / Green Lens	2ALRF3L	285.00			
Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner	6V, 12V, 24V, 48V AC/DC, 110VAC,	Red LED / Red Lens	2ALRF4L	285.00			
STATE OF THE PARTY OF	110VDC, 230VAC,	Amber LED / Amber Lens Blue LED / Blue Lens	2ALRF5L 2ALRF6L	285.00 580.00			
	220VDC	White LED / Clear Lens	2ALRF7L(S)	450.00			
		Yellow LED / Yellow Lens	2ALRF8L	285.00			
Integral LED	Please mention the voltage	e required after the ordering code					
		White LED Bulb / White Lens	2ALF1LB(S)		510.00		
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	2ALF3LB		280.00		
Charment?	24V AC/DC, 110VAC,	Red LED Bulb / Red Lens	2ALF4LB		280.00		
	110VDC, 230VAC,	Amber LED Bulb / Amber Lens Blue LED Bulb / Blue Lens	2ALF5LB 2ALF6LB		280.00 545.00		
3 to 1	220VDC	White LED Bulb/ Clear Lens	2ALF7LB(S)		510.00		
		Yellow LED Bulb / Yellow Lens	2ALF8LB		280.00		
LED Bulb	Please mention the voltage	e required after the ordering code	•		•		
		White LED / White Lens	2ALRF1L(S)F	450.00			
		Green LED / Green Lens	2ALRF3LF	285.00			
The same	Integral LED	Red LED / Red Lens	2ALRF4LF	285.00			
	24V, 110V, 230V AC	Amber LED / Amber Lens	2ALRF5LF	285.00			
		Blue LED / Blue Lens	2ALRF6LF	580.00			
		White LED / Clear Lens	2ALRF7L(S)F 2ALRF8LF	450.00 285.00			
Clashor with Integral LED	Please mention the voltage	Yellow LED / Yellow Lens e required after the ordering code	ZALKFÖLF	285.00			
Flasher with Integral LED	_	<u> </u>					
	illuminated Project	ing Actuator, Momentary White LED / White Lens	2ALDD41/C)	450.00	1		
	Integral LED	Green LED / Green Lens	2ALRP1L(S) 2ALRP3L	450.00 285.00			
the at	6V, 12V, 24V, 48V	Red LED / Red Lens	2ALRP4L	285.00			
No. of Control of Cont	AC/DC, 110VAC,	Amber LED / Amber Lens	2ALRP5L	285.00			
Department of the last of the	110VDC, 230VAC,	Blue LED / Blue Lens	2ALRP6L	580.00			
	220VDC	White LED / Clear Lens	2ALRP7L(S)	450.00			
		Yellow LED / Yellow Lens	2ALRP8L	285.00			
Integral LED	Please mention the voltage	e required after the ordering code					
		White LED Bulb / White Lens	2ALP1LB(S)		510.00		
-	LED Bulb, BA9S type	Green LED Bulb / Green Lens	2ALP3LB		280.00		
The said	24V AC/DC, 110VAC,	Red LED Bulb / Red Lens	2ALP4LB		280.00		
	110VDC, 230VAC,	Amber LED Bulb / Amber Lens Blue LED Bulb / Blue Lens	2ALP5LB 2ALP6LB		280.00 545.00		
Section 2	220VDC	White LED / Clear Lens	2ALRP7L(S)		510.00		
		Yellow LED Bulb / Yellow Lens	2ALP8LB		280.00		
LED Bulb	Please mention the voltage	e required after the ordering code	•		-		
		White LED / White Lens	2ALRP1LF(S)	450.00			
		Green LED / Green Lens	2ALRP3LF	285.00			
* Charge and the	Integral LED	Red LED / Red Lens	2ALRP4LF	285.00			
	24V, 110V, 230V AC	Amber LED / Amber Lens	2ALRP5LF	285.00			
	211, 1201, 2001 / 10	Blue LED / Blue Lens	2ALRP6LF	580.00			
		White LED / Clear Lens	2ALRP7LF(S)	450.00			
Floring with the small ED	Diago montion the voltage	Yellow LED / Yellow Lens e required after the ordering code	2ALRP8LF	285.00			
Flasher with Integral LED		•					
	illuminated Project	ing Actuator, Push to ON &		605.22	ı		
	Integral LED	White LED / White Lens	2ALRPPP1L(S)	605.00			
and the	Integral LED 6V, 12V, 24V, 48V	Green LED / Green Lens	2ALRPPP3L	440.00			
All the second second	AC/DC, 110VAC,	Red LED / Red Lens Amber LED / Amber Lens	2ALRPPP4L 2ALRPPP5L	440.00 440.00			
	110VDC, 230VAC,	Blue LED / Blue Lens	2ALRPPP6L	730.00			
	220VDC	White LED / Clear Lens	2ALRPPP7L(S)	605.00			
	<u> </u>	Yellow LED / Yellow Lens	2ALRPPP8L	440.00			
Integral LED	n1 11 11 11	e required after the ordering code					



	META	LLIC SERIES		
ILLUMINATED SELECTO	R WITH FILAMENT BU	LB		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB
	2 Position Stayput illu	uminated sele	ctor actuator	
1 a 1	Filament bulb	White	2ASL1-2P	390.00
NAME OF THE PARTY	6V to 130V AC/DC	Green	2ASL3-2P	390.00
	0V to 150V AC/DC	Red	2ASL4-2P	390.00
E-MACROSPAN		Amber	2ASL5-2P	390.00
E	0, 0	Blue	2ASL6-2P	390.00
	" Again	Clear	2ASL7-2P	390.00
		Yellow	2ASL8-2P	390.00
Direct Connection	Please me	ention the voltage re	equired after the ordering c	ode
	Filament bulb	White	2ASLR1-2P	405.00
	24 V,48V,110V, 230V AC/DC	Green	2ASLR3-2P	405.00
		Red	2ASLR4-2P	405.00
-		Amber	2ASLR5-2P	405.00
	9,00	Blue	2ASLR6-2P	405.00
		Clear	2ASLR7-2P	405.00
	•	Yellow	2ASLR8-2P	405.00
Connection with Resistor	Please me	ention the voltage re	equired after the ordering c	ode
	Filament bulb	White	2ASL1-2PSR	390.00
		Green	2ASL3-2PSR	390.00
	6V to 130V AC/DC	Red	2ASL4-2PSR	390.00
		Amber	2ASL5-2PSR	390.00
St. Transcription	0, 0	Blue	2ASL6-2PSR	390.00
-	T	Clear	2ASL7-2PSR	390.00
		Yellow	2ASL8-2PSR	390.00
Direct Connection	Please me	ention the voltage re	equired after the ordering c	ode
	Filament bulb	White	2ASLR1-2PSR	405.00
	24 V,48V,110V,	Green	2ASLR3-2PSR	405.00
	24 V,48V,110V, 230V AC/DC	Red	2ASLR4-2PSR	405.00
1000	230V AC/DC	Amber	2ASLR5-2PSR	405.00
100 m	0 0	Blue	2ASLR6-2PSR	405.00
THE PERSON NAMED IN	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Clear	2ASLR7-2PSR	405.00
	•	Yellow	2ASLR8-2PSR	405.00
Connection with Resistor	Please me	ention the voltage re	equired after the ordering c	ode



		METALLIC SERIES			
LLUMINATED SELEC	TOR ACTUATOR WITH LED)			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB
	2 Position Illuminated	Selector Actuator			
	Integral LED	White LED / White Lens	2ASLR1L(S)-2P	615.00	
	6V, 12V, 24V, 48V AC/DC,	Green LED / Green Lens	2ASLR3L-2P	465.00	
THE PARTY OF THE P	110VAC, 110VDC, 230VAC,	Red LED / Red Lens	2ASLR4L-2P	465.00	
A STATE OF THE PARTY OF THE PAR	220VDC	Amber LED / Amber Lens	2ASLR5L-2P	465.00	
THE PARTY		Blue LED / Blue Lens	2ASLR6L-2P	730.00	
	٥, ۵	White LED / Clear Lens	2ASLR7L(S)-2P	615.00	
	~	Yellow LED / Yellow Lens	2ASLR8L-2P	465.00	
Integral LED	Please mention the voltage re	quired after the ordering code			
	LED Bulb, BA9S type	White LED Bulb / White Lens	2ASL1LB(S)-2P		705.00
	24V AC/DC,	Green LED Bulb / Green Lens	2ASL3LB-2P		465.00
	110VAC, 110VDC, 230VAC,	Red LED Bulb / Red Lens	2ASL4LB-2P		465.00
2000	220VDC	Amber LED Bulb / Amber Lens	2ASL5LB-2P		465.00
E-MITTERSON OF		Blue LED Bulb / Blue Lens	2ASL6LB-2P		730.00
Charles and	0, 0	White LED Bulb/ Clear Lens	2ASL7LB(S)-2P		705.00
	~	Yellow LED Bulb / Yellow Lens	2ASL8LB-2P		465.00
LED Bulb	Please mention the voltage re	quired after the ordering code			
_	Integral LED	White LED / White Lens	2ASLR1L(S)-2PSR	615.00	
	6V, 12V, 24V, 48V AC/DC,	Green LED / Green Lens	2ASLR3L-2PSR	465.00	
	110VAC, 110VDC, 230VAC,	Red LED / Red Lens	2ASLR4L-2PSR	465.00	
	220VDC	Amber LED / Amber Lens	2ASLR5L-2PSR	465.00	
	0 0	Blue LED / Blue Lens	2ASLR6L-2PSR	730.00	
	Q. C.	White LED / Clear Lens	2ASLR7L(S)-2PSR	615.00	
	•	Yellow LED / Yellow Lens	2ASLR8L-2PSR	465.00	
Integral LED	Please mention the voltage re	quired after the ordering code			
	LED Bulb, BA9S type	White LED Bulb / White Lens	2ASL1LB(S)-2PSR		705.00
	24V AC/DC,	Green LED Bulb / Green Lens	2ASL3LB-2PSR		465.00
	110VAC, 110VDC, 230VAC,	Red LED Bulb / Red Lens	2ASL4LB-2PSR		465.00
Die of	220VDC	Amber LED Bulb / Amber Lens	2ASL5LB-2PSR		465.00
	0 0	Blue LED Bulb / Blue Lens	2ASL6LB-2PSR		730.00
Charles	O. C.	White LED Bulb/ Clear Lens	2ASL7LB(S)-2PSR		705.00
	~	Yellow LED Bulb / Yellow Lens	2ASL8LB-2PSR		465.00
LED Bulb	Please mention the voltage re	quired after the ordering code		·	-



		LLIC SERIES				
UMINATED SELEC	TOR WITH FILAMENT BUI	.B COLOUR	ORDERING CODE	PRICE IN Rs.		
	3 Position Stayput III	uminated Sala	ctor Actuator	WITH BULB		
	5 Position Stayput III	White	2ASL1-3P	410.00		
	Stayput	Green	2ASL3-3P	410.00		
	Filament bulb	Red	2ASL4-3P	410.00		
	6V to 130V AC/DC	Amber	2ASL5-3P	410.00		
	0 0 0	Blue	2ASL6-3P	410.00		
	9.9.0	Clear	2ASL7-3P	410.00		
		Yellow	2ASL8-3P	410.00		
	Please mention the voltage r					
	Momentary	White	2ASL1-3PSR	425.00		
	Filament bulb	Green Red	2ASL3-3PSR 2ASL4-3PSR	425.00 425.00		
	6V to 130V AC/DC	Amber	2ASL5-3PSR	425.00		
		Blue	2ASL6-3PSR	425.00		
400	0.000	Clear	2ASL7-3PSR	425.00		
The said	·\$*	Yellow	2ASL8-3PSR	425.00		
LANGER	Please mention the voltage r	equired after the or	dering code			
25-08	Stayput / Momentary	White	2ASL1-3PSRL	425.00		
	Filament bulb	Green	2ASL3-3PSRL	425.00		
	6V to 130V AC/DC	Red	2ASL4-3PSRL	425.00		
	, -	Amber	2ASL5-3PSRL	425.00		
	م م	Blue Clear	2ASL6-3PSRL 2ASL7-3PSRL	425.00 425.00		
	· •	Yellow	2ASL8-3PSRL	425.00		
	Please mention the voltage required after the ordering code					
		White	2ASL1-3PSRR	425.00		
	Stayput / Momentary	Green	2ASL3-3PSRR	425.00		
	Filament bulb	Red	2ASL4-3PSRR	425.00		
	6V to 130V AC/DC	Amber	2ASL5-3PSRR	425.00		
	0 0 0	Blue	2ASL6-3PSRR	425.00		
	15.	Clear	2ASL7-3PSRR	425.00		
		Yellow	2ASL8-3PSRR	425.00		
Direct Connection	Please mention the voltage required after the ordering code 3 Position Illuminated Selector Actuator					
	Stayput	White	2ASLR1-3P	430.00		
	Filament Bulb	Green	2ASLR3-3P	430.00		
	24V,48V,130V,	Red	2ASLR4-3P	430.00		
	230V AC/DC	Amber	2ASLR5-3P	430.00		
	0 0 0	Blue	2ASLR6-3P	430.00		
		Clear	2ASLR7-3P	430.00		
		Yellow	2ASLR8-3P	430.00		
	Please mention the voltage r					
	Momentary	White	2ASLR1-3PSR	440.00		
	Filament Bulb 24V,48V,130V,	Green	2ASLR3-3PSR	440.00		
	24V,48V,130V, 230V AC/DC	Red Amber	2ASLR4-3PSR 2ASLR5-3PSR	440.00 440.00		
-	0 0 0	Blue	2ASLR6-3PSR	440.00		
Sta-one	0 2 1 20	Clear	2ASLR7-3PSR	440.00		
- 10 × 10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Yellow	2ASLR8-3PSR	440.00		
	Please mention the voltage r	equired after the or	dering code			
	Stayput / Momentary	White	2ASLR1-3PSRL	440.00		
	Filament Bulb	Green	2ASLR3-3PSRL	440.00		
	24V,48V,130V,	Red	2ASLR4-3PSRL	440.00		
	230V AC/DC	Amber	2ASLR5-3PSRL	440.00		
	0,00	Blue	2ASLR6-3PSRL	440.00 440.00		
	W.	Clear Yellow	2ASLR7-3PSRL 2ASLR8-3PSRL	440.00		
	Please mention the voltage r			770.00		
	Stayput / Momentary	White	2ASLR1-3PSRR	440.00		
	Filament Bulb	Green	2ASLR1-3PSRR 2ASLR3-3PSRR	440.00		
	24V,48V,130V,	Red	2ASLR4-3PSRR	440.00		
	230V AC/DC	Amber	2ASLR5-3PSRR	440.00		
	0.00	Blue	2ASLR6-3PSRR	440.00		
		Clear	2ASLR7-3PSRR	440.00		
		Yellow	2ASLR8-3PSRR	440.00		



		METALLIC SERIES			
JMINATED SELEC	TOR WITH LED				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BUL
	3 Position illuminate	d selector actuator			
	Stayput	White LED / White Lens	2ASLR1L(S)-3P	635.00	
	Integral LED	Green LED / Green Lens	2ASLR3L-3P	490.00	
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	2ASLR4L-3P	490.00	
	110VAC, 110VDC,	Amber LED / Amber Lens	2ASLR5L-3P	490.00	
	230VAC, 220VDC	Blue LED / Blue Lens	2ASLR6L-3P	740.00	
	<u> </u>	White LED / Clear Lens	2ASLR7L(S)-3P	635.00	
		Yellow LED / Yellow Lens	2ASLR8L-3P	490.00	
	Please mention the voltage re	quired after the ordering code			
	Momentary	White LED / White Lens	2ASLR1L(S)-3PSR	775.00	
	Integral LED	Green LED / Green Lens	2ASLR3L-3PSR	605.00	
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	2ASLR4L-3PSR	605.00	
	110VAC, 110VDC,	Amber LED / Amber Lens	2ASLR5L-3PSR	605.00	
	230VAC, 220VDC	Blue LED / Blue Lens	2ASLR6L-3PSR	900.00	
	0,00	White LED / Clear Lens	2ASLR7L(S)-3PSR	775.00 605.00	
THE PARTY.		Yellow LED / Yellow Lens	2ASLR8L-3PSR	605.00	
A COLUMN TO SERVICE AND ADDRESS OF THE PARTY		quired after the ordering code			
	Stayput / Momentary	White LED / White Lens	2ASLR1L(S)-3PSRL	775.00	
1000	Integral LED	Green LED / Green Lens	2ASLR3L-3PSRL	605.00	
	6V, 12V, 24V, 48V AC/DC 110VAC, 110VDC,	Red LED / Red Lens Amber LED / Amber Lens	2ASLR4L-3PSRL 2ASLR5L-3PSRL	605.00 605.00	
	230VAC, 220VDC	Blue LED / Blue Lens	2ASLR6L-3PSRL	900.00	
	0,00	White LED / Clear Lens	2ASLR7L(S)-3PSRL	775.00	
		Yellow LED / Yellow Lens	2ASLR8L-3PSRL	605.00	
	Please mention the voltage re	quired after the ordering code	ENGLINE STONE		
	Stayput / Momentary	White LED / White Lens	2ASLR1L(S)-3PSRR	775.00	
	Integral LED	Green LED / Green Lens	2ASLR3L-3PSRR	605.00	
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	2ASLR4L-3PSRR	605.00	
	110VAC, 110VDC,	Amber LED / Amber Lens	2ASLR5L-3PSRR	605.00	
	230VAC, 220VDC	Blue LED / Blue Lens	2ASLR6L-3PSRR	900.00	
	9.90	White LED / Clear Lens	2ASLR7L(S)-3PSRR	775.00	
	¥	Yellow LED / Yellow Lens	2ASLR8L-3PSRR	605.00	
Integral LED	Please mention the voltage re	quired after the ordering code			
	3 Position illuminate	d selector actuator with LEI	O Bulb		
	Stayput	White LED Bulb / White Lens	2ASL1LB(S)-3P		725.00
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	2ASL3LB-3P		480.00
	24V AC/DC,	Red LED Bulb / Red Lens	2ASL4LB-3P		480.00
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	2ASL5LB-3P		480.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	2ASL6LB-3P		755.00
	9,0	White LED Bulb/ Clear Lens	2ASL7LB(S)-3P		725.00
		Yellow LED Bulb / Yellow Lens	2ASL8LB-3P		480.00
	Please mention the voltage re	quired after the ordering code			
	Momentary	White LED Bulb / White Lens	2ASL1LB(S)-3PSR		735.00
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	2ASL3LB-3PSR		495.00
	24V AC/DC,	Red LED Bulb / Red Lens	2ASL4LB-3PSR		495.00
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	2ASL5LB-3PSR		495.00 765.00
-	230VAC, 220VDC	Blue LED Bulb / Blue Lens White LED Bulb/ Clear Lens	2ASL6LB-3PSR 2ASL7LB(S)-3PSR		765.00 735.00
	0,000	Yellow LED Bulb / Yellow Lens	2ASL7LB(S)-3PSR 2ASL8LB-3PSR		735.00 495.00
200	Please mention the voltage re	equired after the ordering code	LINGLOLD JEJIN		755.00
THE REAL PROPERTY.			2451415/5/ 2222		725.00
THE REAL PROPERTY.	Stayput / Momentary	White LED Bulb / White Lens	2ASL1LB(S)-3PSRL		735.00
	LED Bulb, BA9S type 24V AC/DC,	Green LED Bulb / Green Lens Red LED Bulb / Red Lens	2ASL3LB-3PSRL 2ASL4LB-3PSRL		495.00 495.00
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	2ASL5LB-3PSRL		495.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	2ASL6LB-3PSRL		765.00
		White LED Bulb/ Clear Lens	2ASL7LB(S)-3PSRL		735.00
	0,0	Yellow LED Bulb / Yellow Lens	2ASL8LB-3PSRL		495.00
	Please mention the voltage re	quired after the ordering code	<u>-</u>		=
	Stayput / Momentary	White LED Bulb / White Lens	2ASL1LB(S)-3PSRR		735.00
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	2ASL3LB-3PSRR		495.00
	24V AC/DC,	Red LED Bulb / Red Lens	2ASL4LB-3PSRR		495.00
	· · · ·	Amber LED Bulb / Amber Lens	2ASL5LB-3PSRR		495.00
	110VAC. 110VDC		2, 102020 31 31111		765.00
	110VAC, 110VDC 230VAC, 220VDC	·	2ASL6LB-3PSRR		705.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	2ASL6LB-3PSRR 2ASL7LB(S)-3PSRR		
		·	2ASL6LB-3PSRR 2ASL7LB(S)-3PSRR 2ASL8LB-3PSRR		735.00 735.00 495.00



	METAI	LLIC SERIES					
PILOT LIGHTS WITH FIL	AMENT BULB						
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB			
	Pilot Light	Pilot Light					
		White	2PLB1	170.00			
		Green	2PLB3	170.00			
4	Filament Bulb	Red	2PLB4	170.00			
N. Married Married		Amber	2PLB5	170.00			
TE THE REAL PROPERTY.	6V to 130V AC/DC	Blue	2PLB6	170.00			
		Clear	2PLB7	170.00			
		Yellow	2PLB8	170.00			
Direct Connection	Please mention the voltage required after the ordering code						
		White	2PLBR1	205.00			
		Green	2PLBR3	205.00			
	Filament Bulb	Red	2PLBR4	205.00			
-	24V,48V,110V,	Amber	2PLBR5	205.00			
Marie Control	230V AC/DC	Blue	2PLBR6	205.00			
177		Clear	2PLBR7	205.00			
		Yellow	2PLBR8	205.00			
Connection with Resistor	Please mention the voltage	Please mention the voltage required after the ordering code					
	Filament Bulb						
	Primary volt. Sec. Volt.	White	2PLBT1XX/YYY	515.00			
	110 VAC 6	Green	2PLBT3XX/YYY	515.00			
	110 VAC 12	Red	2PLBT4XX/YYY	515.00			
	110 VAC 24	Amber	2PLBT5XX/YYY	515.00			
The same of	Primary volt. Sec. Volt.	Blue	2PLBT6XX/YYY	515.00			
	240 VAC 6	Clear	2PLBT7XX/YYY	515.00			
	240 VAC 12	Yellow	2PLBT8XX/YYY	515.00			
	240 VAC 24						
onnection with Transforme	r	XX - Prim	nary Voltage				
omiccion with transforme	'	YYY - Seco	ndary Voltage				



		METALLIC SERIES	6		
OT LIGHTS	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BUL
	Pilot Light with Integr	ral I FD		INTEGRALLED	WITH LLD BOL
	Thot Light with integr		2DI DD41 (C)	445.00	
Art of		White LED / White Lens	2PLBR1L(S)	415.00	
A STATE OF THE PARTY OF THE PAR	Integral LED	Green LED / Green Lens Red LED / Red Lens	2PLBR3L 2PLBR4L	245.00 245.00	
-	6V, 12V, 24V, 48V AC/DC,	Amber LED / Amber Lens	2PLBR5L	245.00	
A1600	110VAC, 110VDC, 230VAC,	Blue LED / Blue Lens	2PLBR6L	550.00	
	220VDC	White LED / Clear Lens	2PLBR7L(S)	415.00	
		Yellow LED / Yellow Lens	2PLBR8L	245.00	
Integral LED	Please mention the voltage re	quired after the ordering code			
		White LED / White Lens	2PLBR1LF(S)	415.00	
400000		Green LED / Green Lens	2PLBR3LF	245.00	
	Integral LED, Flasher	Red LED / Red Lens	2PLBR4LF	245.00	
- Character	6V, 12V, 24V, 48V AC/DC,	Amber LED / Amber Lens	2PLBR5LF	245.00	
Name and Address of the Owner, where	110VAC, 110VDC, 230VAC,	Blue LED / Blue Lens	2PLBR6LF	550.00	
	220VDC	White LED / Clear Lens	2PLBR7LF(S)	415.00	
		Yellow LED / Yellow Lens	2PLBR8LF	245.00	
Flasher	Please mention the voltage re	quired after the ordering code			
		White LED / White Lens	2PLBR1LU(S)	570.00	
		Green LED / Green Lens	2PLBR3LU	440.00	
-15-F	Internal LED Universal	Red LED / Red Lens	2PLBR4LU	440.00	
	Integral LED, Universal 24V upto 240V AC / DC	Amber LED / Amber Lens	2PLBR5LU	440.00	
1000	24V upto 240V AC / DC	Blue LED / Blue Lens	2PLBR6LU	685.00	
1000		White LED / Clear Lens	2PLBR7LU(S)	570.00	
		Yellow LED / Yellow Lens	2PLBR8LU	440.00	
Universal	Please mention the voltage re-	quired after the ordering code			
		White LED / White Lens	2PLBR1L(S)	475.00	
		Green LED / Green Lens	2PLBR3L	305.00	
Charles .	Integral LED	Red LED / Red Lens	2PLBR4L	305.00	
	415VAC	Amber LED / Amber Lens	2PLBR5L	305.00	
1000	122 11 12	Blue LED / Blue Lens	2PLBR6L	605.00	
		White LED / Clear Lens	2PLBR7L(S)	475.00	
		Yellow LED / Yellow Lens	2PLBR8L	305.00	
Integral LED	Please mention the voltage re	quired after the ordering code			
	Pilot Light with LED B	ulb			
		White LED Bulb / White Lens	2PLB1LB(S)		470.00
The second		Green LED Bulb / Green Lens	2PLB3LB		245.00
The state of	LED Bulb, BA9S type	Red LED Bulb / Red Lens	2PLB4LB		245.00
The second live	24V AC/DC, 110VAC,	Amber LED Bulb / Amber Lens	2PLB5LB		245.00
1000	110VDC, 230VAC, 220VDC	Blue LED Bulb / Blue Lens	2PLB6LB		500.00
		White LED Bulb / Clear Lens	2PLB7LB(S)		470.00
		Yellow LED Bulb / Yellow Lens	2PLB8LB		245.00
LED Bulb	Please mention the voltage re	quired after the ordering code			
	LED Bulb, BA9S type				
	Primary volt. Sec. Volt.	White LED Bulb / White Lens	2PLBT1LB(S)XX / YYY		765.00
	110 VAC 6	Green LED Bulb / Green Lens	2PLBT3LBXX / YYY		530.00
59-32	110 VAC 12	Red LED Bulb / Red Lens	2PLBT4LBXX / YYY		530.00
	110 VAC 24	Amber LED Bulb / Amber Lens	2PLBT5LBX X/ YYY		530.00
Settle:	Primary volt. Sec. Volt.	Blue LED Bulb / Blue Lens	2PLBT6LBXX / YYY		795.00
	240 VAC 6	White LED Bulb / Clear Lens	2PLBT7LB(S)XX / YYY		765.00
	240 VAC 12	Yellow LED Bulb / Yellow Lens	2PLBT8LBXX / YYY		530.00
	240 VAC 24				
	i i	XX - F	Primary Voltage		



	METALLIC SERIES					
TWIN ILLUMINATED AC	TUATORS WITH FILE	AMENT BULB				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB		
	Twin Illuminated 1	Flush, 1 Project	ting (IO) Mark			
	Filament bulb 6V to 130V AC/DC	Red button Green button Amber lens	2ATL5F3P4 (IO)	300.00		
Direct Connection	Please m	nention the voltage re	equired after the ordering	g code		
	Filament bulb 24 V,48V,110V, 230V AC/DC	Red button Green button Amber lens	2ATLR5F3P4 (IO)	335.00		
Connection with Resistor	Please m	nention the voltage re	equired after the ordering	g code		
	Twin Illuminated Double Flush, (IO) Mark					
	Filament bulb 6V to 130V AC/DC	Red button Green button Amber lens	2ATL5F3F4 (IO)	300.00		
Direct Connection	Please m	nention the voltage re	equired after the ordering	g code		
	Filament bulb 24 V,48V,110V, 230V AC/DC	Red button Green button Amber lens	2ATLR5F3F4 (IO)	335.00		
Connection with Resistor	Please m	nention the voltage re	equired after the ordering	g code		



		METALLIC SI	ERIES					
TWIN ILLUMINATED A	TWIN ILLUMINATED ACTUATORS WITH LED							
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB			
	Twin Illuminated 1 Fl	ush, 1 Projecti	ng (IO) Mark					
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	2ATLR5LF3P4 (IO)	375.00				
Integral LED	Please mention the voltage re	quired after the orde	ering code					
	LED Bulb,BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	2ATL5LBF3P4 (IO)		375.00			
LED Bulb	Please mention the voltage re	quired after the orde	ering code					
	Twin Illuminated Dou	ible Flush, (IO)	Mark					
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	2ATLR5LF3F4 (IO)	375.00				
Integral LED	Please mention the voltage re	Please mention the voltage required after the ordering code						
	LED Bulb,BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	2ATL5LBF3F4 (IO)		375.00			
LED Bulb	Please mention the voltage re	quired after the orde	ering code					



	META	LLIC SERIES					
ILLUMINATED MUSHRO	OOM WITH BULB						
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB			
	Illuminated Mushroom, Momentary						
	Filament bulb 6V to 130V AC/DC	Red	2ALM4	400.00			
Direct Connection	Please mention the voltage re	equired after the orde	ering code				
	Filament bulb 24 V,48V,110V, 230V AC/DC	Red	2ALRM4	425.00			
Connection with Resistor	Please mention the voltage re	equired after the orde	ering code				
	Illuminated Mushroo	om, Push Pull					
	Filament bulb 6V to 130V AC/DC	Red	2ALMPP4	450.00			
Direct Connection	Please mention the voltage re	equired after the orde	ering code				
	Filament bulb 24 V,48V,110V, 230V AC/DC	Red	2ALRMPP4	470.00			
Connection with Resistor	Please mention the voltage re	equired after the orde	ering code				



METALLIC SERIES									
ILLUMINATED MUSH	ILLUMINATED MUSHROOM WITH LED								
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB				
	Illuminated Mushroo	Illuminated Mushroom, Momentary							
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	2ALRM4L	480.00					
Integral LED	Please mention the voltage red	quired after the orde	ring code						
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	2ALM4LB		480.00				
LED Bulb	Please mention the voltage red	quired after the orde	ring code						
	Illuminated Mushroom, Push Pull								
-45-Ab-	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	2ALRMPP4L	530.00					
Integral LED	Please mention the voltage red	Please mention the voltage required after the ordering code							
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	2ALMPP4LB		545.00				
LED Bulb	Please mention the voltage red	Please mention the voltage required after the ordering code							



Control & Signalling Devices 22.5 Ø **METALLIC SERIES CONTACT ELEMENTS TYPE** PRICE IN Rs. **ORDERING CODE PANEL MOUNTING** NORMALLY OPEN (NO) **S1** 72.50 SILVER CONTACT NORMALLY OPEN (NO) SILVER CONTACT S1S 72.50 (BREAK BEFORE MAKE) NORMALLY OPEN (NO) SILVER CONTACT S1E 72.50 (MAKE BEFORE BREAK) NORMALLY CLOSED (NC) S2 72.50 SILVER CONTACT NORMALLY OPEN (NO) S3 195.00 **GOLD CONTACT** NORMALLY CLOSED (NC) **S4** 195.00 **GOLD CONTACT BASE MOUNTING** NORMALLY OPEN (NO) S5 72.50 SILVER CONTACT NORMALLY CLOSED (NC) **S6** 72.50 SILVER CONTACT NORMALLY OPEN (NO) **S7** 195.00 **GOLD CONTACT**

NORMALLY CLOSED (NC)

GOLD CONTACT

S8

195.00

Common types of control and signalling devices Ø 22.5

Description	Type of Actuator or Lense Assembly	Colour of Actuator or Lense	Contact Elements NO = S1 NC = S2 or Lamp Holder	Type of complete Control or Signalling Device
PARTICLE MANAGEMENT	2AF3	Oreen	100	2P8F310 al
Flush Pushbutton	2AF8	Yellow	2NO+1NC	2PSF821 6 1
Deciseling Deathly Hop	2AP2	Black	2NC	2PSP202 8
Projecting Pushbutton	2AP4	Red	3NO+3NC	2PSP433
Mushroom Pushbutton	2AM2	Black	1NO+1NC	2P8M211
Spring return	2AM4	Red	INC	2PSM401
Mushroom Pushbutton	2AML2	Black	1NC	2PSML201
latching turn to release	PAML4	Red	SNO-SNC	2PSML422
Mushroom Pushbutton latching, key to release	2AMLKB4	Red	1NO+1NC	2PSMLKB411 8 0
Selector Actuator(2Pos)	2AS2-2P	Black	1NO	2PSS210-2P
Selector Actuator(3Pos)	EASE-OF	Red	INO+ING	2P53211-0P
Key Actuator (2Pos), Key withdrawab	le 2AK2-2PB		100	2PSK210-2PB
in both positions Key Actuator (3Pos), Key withdrawab in left & right positions	te 2AK2-3PB		1NO=1NC	2P8K211-3PB
Selector Munimated	1/2000 PO 635433763	escandoro I	1NO=1NC	
Pushbutton, 2 position with resistance and diode (230V) Selector Illuminated	2ASLR3-2P230AC	Green	2LHBR230AC 1NO+1NC	2PSSLR311-2P230AC
Pushbutton, 3 Position with resistance (24V)	2ASLR4-3P24	Red	* ZLHBR24	2PSSLR411-3P24 27 44
Pilot Light for direct	2LA3	Green	2LHB24	2PLB324 2 1
connection upto 130V	2LA4	Red	2LHB130	2PLB4130
Pilot Light through resistor and diode	2LA5	Amber	ZLHBR230AC	2PLBR5230AC
for 230 V AC, Bulb:130V.	2LA6	Blue	2LHBR230AC	2PLBR6230AC
Pilot Light with transformer for	2LA4	Red	2LHBT230/24	2PLBT4230/24 2 1
for 230 V Bulb: 24 V.	2LA3	Green	2LHBT230/24	2PLBT3230/24 8 14 80
Flush Muminated Pushbutton	2ALRF3L24DC	Green	1NO=1NC +	2881 BE31 1124DC
with integral LED for 24 V DC Projecting Illuminated Pushbutton with integral LED 230 V AC	2ALRP4L230AC	Red	2LHLR24DC 1NO+1NC + 2LHLR230AC	2FSLRP4L11230AC
Pliot Light with LED bulb for 110 V Bulb:110 V	2LAL5	Amber	2LHLB110	SPLBSLB110
Twin Pushbutton marked "[O"	Career Street	Flush-Blac	k 1NO	
Flush - Flush	2ATF2-F4-IO	Flush-Red	1 NC	2PSTF210-F401- 4 0
Twin Pushbutton not marked	C De annage de com	Flush-Gre	en 1NO+1NC	THE THE
Flush - Projecting	2ATF3-P4	Proj-Red	1NO+1NC	2PSTF311-P411
Twin Illuminated Pushbutton marked 'I O' Flush - Flush direct connection (130V)	2ATL3-F2 -F4 IO130	Lense-Gre Flush-Blad Flush-Red	4 1 NO + 1 NO	2P5TL3F211-F401-(0130 3 3
Twin Burninated Pushbutton not marked Flush • Projecting with resistance (24V)	2ATLR5-F3 -P424	Lense-Am Flush-Gre Proj-Red	The state of the s	2PSTLR5F310-P40124





GENERAL TERMS AND CONDITIONS

General Terms : Prices are ex-works Mumbai

HSN CODE : 85365010 for all the products of this MRP List

GST : 18%

Prices are subject to revision without notice and ruling at the time of delivery.

This price list supersedes all previous Price Lists.

Warranty Policy: TEKNIC equipment is guaranteed under the following terms:

For a period of 12 months from the date of sale, TEKNIC guarantees that its products are free from defects in material and workmanship, with the exception of consumables rendered unserviceable through normal use. During the said period, TEKNIC will replace or repair all parts acknowledged as defective due to factory workmanship and which have been returned in a timely manner by Buyer to TEKNIC and all costs and duties paid, together with a detailed description of the failure and a certified declaration of the number of hours of operation. Repaired or replaced parts will be redelivered FCA (named place) as per INCOTERMS 2000. This warranty is subject to the provision of correct usage, proper maintenance and does not cover defects arising out of fire, faulty operation, accident, inefficient maintenance and willful or accidental damage.

TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

TEKNIC ELECTRIC (I) PVT. LTD.

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel : +91-22-42532500

Works : 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai - 400059. Tel: +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in









Control and Signaling Devices Ø 22.5 Plastic Series

MRP with effect from 10.07.2023



Salient features

This range of Ø22.5 pushbuttons, selector switches, illuminated switches, illuminated selector switches and pilot lights have been designed to provide the following salient features:

- Economy of space aesthetically elegant
- SELF WIPING COTACT
- · Robust in materiels of construction

- Simple to fix screw driver is all that required
- Safe in operation
 Very good flame resistance
- Fixing method unaffected by excessive vibration-Unit does not rotate
- · Shrouded terminals

Protection against electric shock (unit earthed)

Actuators

The circular actuators have black plastic bezels, and are functionally interchangeable on the different types of contact elements.

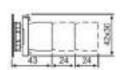
Contact Elements

The contact elements are double break and have self-wiping contacts.

The elements are interchangeable and can be stacked without additional hardware,

1 to 6 elements (NO or NC) can be used with non-illuminated actuators, whereas, 1 to 4 elements (NO or NC) can be used for illuminated actuators, Gold plated NO and NC contact elements for low voltage, low current

switching circuits < 25 mA, are available



Illuminated pushbuttons and pilot lights

Pilot lights and illuminated switches are suitable for direct connection, through series resistor, through series resistor and diode, using bayonet cap filament bulb type BA9S, as follows:

Supply voltage for direct connection without series resistor: 6V-130V Supply voltage through series resistor: 12V-415V Supply voltage through series resistor and diode: 230V AC

LED illuminated actuators & pilot lights are available with integral LED, LED in bayonet cap suitable for operating at various voltages namely 6V, 12V, 24V, 30V, 48V, 110V, 230V, AC or DC and 415V AC. LED bulbs with bayonet cap are constructed in the standard BA9S design with OAL max. 28 mm. On request an extra short circuit protection consisting of built in fuse in the LED modules can be provided.

Pilot lights are available with but in transformers suitable for operating at 230. 110 volts AC Input and 6V, 12V and 24V output.

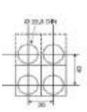
Terminals

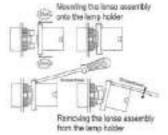
Contact elements and pilot lights are designed to have shrouded terminals with combi screws,

Fixing

The P Series control devices Ø22.5 can be fixed in any position on panels of 1 to 5 mm thickness. We recommend minimum fixing centres of 30mm x 40 mm

However, the dimensions and configuration should be decided on the basis of the application. The actuators and the lense assemblies lock on the holding bracket. Details of the assembly shown in diagram.





Electrical and mechanical characteristics

Environment

Standard conformity : CSA - C22.2 No. 14-95, UL508, IEC 947 • 5 (1) 1990, IS 13947

Approval : ASTA UK certified as per IEC 947 - 5 - (1) 1990

: CSA - C22.2 No. 14° 95, UL508

Degree of protection : IP 65 as per IEC 529, NEMA 4X, 12 as per UL 50 Ambient : - 25' C to + 70' C

Ambient : - 25' C to + 70' Coperating Position : All Position

Contact Block

Rated insulation voltage : 500 V Rated thermal current : 10 A

Contact operation : Self wiping, slow break NO or NC

Make and break capacity

As per IEC 947 - 5 • (1) 1990 : AC 15 4A, 415V AC : DC13 0.5A 110V DC

As per CSA - C22.2 No. 14-95, UL508 : A 600 Q600

Terminal capacity : minimum 1 x 0.5 mm', maximum 2 x 1.5 mm' or 1 x 2.5 mm'

Terminal marking : 1- 2 for NC, 3-4 for NO

Short circuit protection : 10 A cartridge ruse HRC type, rated for resistive loading

Mechanical life : Over 1 million operations

Modules for pilot light & illuminated switches with integral LED I multichip LED bulb (BA9S cap)

Current consumptions (applicable to all colours)

 24 VAC/DC, 110 VAC & 240 VAC
 : max.20 mA

 110 VDC
 : max.15 mA

 220 VDC
 : max.10 mA

 Service life (al nominal voltage and at
 : 50,000 hours

Ambient temperature of 25°C)

Voltage limits (nominal voltage) : <20 % of rated voltage>
Short circuit protection : on specific request

Terminal capacity : min. 1 x 0.5 mm2, max. 2 x 1.5 mm2 or 1 x 2.5 mm2

Control and signalling devices Ø 22.5 P series

Ordering instructions

Actuators, Illuminated actuators, contact elements, lense assemblies & pilot lights can all be ordered separately or in combination.

Profix P2 for all actuators and combinations indicates © 22.5 P series.

: 81, 83 2. The type numbers of contact elements are : NO: Actuator mounting

Note: : \$5, \$7 : \$2, \$4 53, 54, S7, S8 are gold plated contacts Individual mounting

NC: Actuator mounting

suitable for low voltage, low current switching circuits < 25 mA : 58, 58 Individual mounting

Some examples of type numbers:

Type P2AF3 is flush actuator, GREEN

Type P2PLB4 is plot light without series resistor, RED Type P2PSF411 is flush pushbutton, RED, with 1NO+1NC contact elements Complete pushbutton

1NC plemont S2 1NO element S1 Colour actuator, RED

Ø 22.5 flush type pushbutton

Accessories and spares

Legend plates

Legend plates 30 x 40 mm are supplied with the following standard texts: START FORWARD UP OPEN AUTO SLOW RESET ON RIGHT TRIP STOP REVERSE DOWN CLOSE HAND EAST INCH OFF LEFT POWER ON Legend plate Ø 60 mm yellow with black characters for EMERGENCY STOP



Filament bulb

Filament bulb type BA9S, DAL 28mm

60 Voltage : 6 12 48 130 24 Watts 2 2 2 2 2 2.6



LED builb

LED multichip bulb type BA9S, OAL 28mm V W Yellow Colour : White Green Red Amber Blue MCB9624 MCB9824 24 0.5 Type No. : MCB9124 MCB9424 MC89524 MCB9324 MCB94110 MC895110 MCB96110 MC896110 110 T.D MCB91110 MCB93110 MC898230 MCB96230 MCB91230 MCB93230 MC894230 MC895230 230



Longes Red Yellow Translucent Amber Blue Clear Colour of lense Green White 2PLL3 2PLL4 2PLL5 2PLL6 2PLL1 For pilot lights with filament bulb For Huminated 2LAL1 2LAL3 2LAL4 2LAL5 2LAL6 2LAL7



(flush/projecting) For pilot lights 2PLL1L 2PLL3L 2PLL4L 2PLL5L 2PLLGL 2PLL7L with LED

For Huminated 2LAL1L 2LALDL 2LALGL 2LALDL 2LALDL 2LALTL 2LALDL actuators with LED



Adaptor for fixing Ø 22.5 devices in Ø 30.5 cutout.

Type No.: 2ADP

(flush/projecting)

actuators with filament bulb



Fixing flange Type No.: P2BRK

Type No.

For mushroom actuator: type no. 2PAM

type no. 2PAP For projecting actuator



Boot for non III. flush actuator

2BT7



Colour of Boot : Clear -2ALBT7 Type No.



Boot for twin actuator

Colour of Boot : Clear

Colcur of Boot | Clear Type No : 2ATBT7 Type No



Boot for twin illuminated actuator

Colour of Boot : Clear : 2ATLBT7 Type No



Bulb extractor Type No. : 2BASSE

Blanking plug for Ø 22.5 hole, black Type No. : 2BP2







PLASTIC SERIES MOMENTARY ACTUATORS COLOUR **ORDERING CODE** PRICE IN Rs. **TYPE** White P2AF1 62.00 P2AF2 62.00 Black 62.00 Flush P2AF3 Green Red P2AF4 62.00 Blue P2AF6 62.00 Yellow P2AF8 62.00 White P2AP1 62.00 Black 62.00 P2AP2 **Projecting** P2AP3 62.00 Green 62.00 Red P2AP4 P2AP6 62.00 Blue P2AP8 62.00 Yellow Flush with arrow White P2AF1A 90.00 marking **Black** P2AF2A 90.00 White 85.00 P2AF1RR P2AF2RR 85.00 **Black** 85.00 Flush Relay Reset Green P2AF3RR Red P2AF4RR 85.00 Blue P2AF6RR 85.00 Yellow P2AF8RR 85.00 White P2AF1BT7 135.00 Black 135.00 P2AF2BT7 **Booted** 135.00 Green P2AF3BT7 Red P2AF4BT7 135.00 Blue P2AF6BT7 135.00 P2AF8BT7 135.00 Yellow



PLASTIC SERIES							
MUSHROOM HEAD ACTUATORS							
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.			
	Latching	Black	P2AMLS2	145.00			
	Ø 30mm	Red	P2AMLS4	145.00			
	Momentary Ø 40mm	Black Green Red Blue Yelllow	P2AM2 P2AM3 P2AM4 P2AM6 P2AM8	105.00 105.00 105.00 105.00 105.00			
	Push-Pull	Black	P2AMPP2	145.00			
	Ø 40mm	Red	P2AMPP4	145.00			
	Latching	Black	P2AML2	145.00			
	Ø 40mm	Red	P2AML4	145.00			
	Latching with Key	Black	P2AMLKB2	285.00			
	Ø 40mm	Red	P2AMLKB4	285.00			



Control & Signalling Devices 22.5 Ø PLASTIC SERIES

PLASTIC SERIES							
MUSHROOM HEAD ACTUATORS							
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.			
	Latching Trigger Ø 40mm	Black Red	P2AMLT2 P2AMLT4	215.00 215.00			
	Latching Trigger with key Ø 40mm	Black Red	P2AMLTKB2 P2AMLTKB4	350.00 350.00			
	Push-Pull Trigger with mechanical Indicator Ø 40 mm	Red	P2AMPPT4	250.00			
	Latching Ø 60mm	Black Red	P2AMLJ2 P2AMLJ4	185.00 185.00			
	Push-Pull Ø 60mm	Black Red	P2AMPPJ2 P2AMPPJ4	185.00 185.00			
	Momentary Ø 60mm	Black Green Red Blue Yellow	P2AMJ2 P2AMJ3 P2AMJ4 P2AMJ6 P2AMJ8	145.00 145.00 145.00 145.00 145.00			



PLASTIC SERIES SELECTOR ACTUATORS TYPE **COLOUR** ORDERING CODE PRICE IN Rs. 2 position P2AS2-2P 196.00 LATCHING With ext. knob P2AS2E-2P 196.00 Black **MOMENTARY** P2AS2-2PSR 196.00 196.00 With ext. knob P2AS2E-2PSR 3 position P2AS2-3P 196.00 **STAY PUT** With ext. knob P2AS2E-3P 196.00 MOMENTARY P2AS2-3PSR 215.00 on both sides With ext. knob P2AS2E-3PSR 215.00 Black MOMENTARY P2AS2-3PSRR 215.00 on right With ext. knob P2AS2E-3PSRR 215.00 **MOMENTARY** P2AS2-3PSRL 215.00 on left With ext. knob P2AS2E-3PSRL 215.00



PLASTIC SERIES						
KEY SELECTOR ACTUATORS						
	ТҮРЕ		COLOUR	ORDERING CODE	PRICE IN Rs.	
		ă ă		P2AK2-2PB	275.00	
	2 POSITION Stayput	Š.,o		P2AK2-2PO	275.00	
		Q.,.ŏ	Black	P2AK2-2PI	275.00	
(0)	Spring Return	ă, o		P2AK2-2POSR	275.00	
CHS		X X X	Black	P2AK2-3PA	290.00	
	3 POSITION	موه		P2AK2-3PO	290.00	
	Stayput	ă o ă		P2AK2-3PB	290.00	
		a Å.o		P2AK2-3PC	290.00	
	Spring Return	٥؍ؠؙٞ؞٥		P2AK2-3PSR	290.00	
	Right to Centre	a Š.o		P2AK2-3PSRR	290.00	
	Left to Centre	م ۾ م		P2AK2-3PSRL	290.00	
		* X stands	for position in whi	ch key is removable		



Control & Signalling Devices 22.5 Ø

PLASTIC SERIES TWIN ACTUATORS TYPE **COLOUR** ORDERING CODE PRICE IN Rs. Green P2ATF3F4 130.00 Red **Double Flush** w/o IO Mark Yellow P2ATF8F2 130.00 Black Green P2ATF3F4(IO) 130.00 **Double Flush** Red with IO Mark Yellow P2ATF8F2(IO) 130.00 Black Green 1 Flush P2ATF3P4 130.00 Red 1 Projecting Yellow w/o IO Mark P2ATF8P2 130.00 Black Green P2ATF3P4(IO) 130.00 1 Flush Red 1 Projecting Yellow with IO Mark P2ATF8P2(IO) 130.00 Black



		STIC SERIES	<i>-</i>			
ILLUMINATED MOMEN	TARY ACTUATORS V	VITH BULB				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BIULB		
	Illuminated Flush,	Momentary				
- Total		White	P2ALF1	175.00		
All Property and		Green	P2ALF3	175.00		
	Filament Bulb	Red	P2ALF4	175.00		
	6V to 130V AC/DC	Amber	P2ALF5	175.00		
	0V to 130V AC/DC	Blue	P2ALF6	175.00		
		Clear	P2ALF7	175.00		
		Yellow	P2ALF8	175.00		
Direct Connection	Please ı	mention the voltage r	equired after the ordering	code		
		White	P2ALRF1	190.00		
		Green	P2ALRF3	190.00		
	Filament Bulb	Red	P2ALRF4	190.00		
The same of the sa	24V, 48V,110V,	Amber	P2ALRF5	190.00		
25800777	230 V AC/DC	Blue	P2ALRF6	190.00		
		Clear	P2ALRF7	190.00		
		Yellow	P2ALRF8	190.00		
Connection with Resistor	Please ı	mention the voltage r	equired after the ordering	code		
	Illuminated Projecting, Momentary					
		White	P2ALP1	175.00		
		Green	P2ALP3	175.00		
4000	Filament Bulb	Red	P2ALP4	175.00		
100	6V to 130V AC/DC	Amber	P2ALP5	175.00		
180	6V 10 130V AC/DC	Blue	P2ALP6	175.00		
		Clear	P2ALP7	175.00		
		Yellow	P2ALP8	175.00		
Direct Connection	Please ı	mention the voltage r	equired after the ordering	code		
		White	P2ALRP1	190.00		
	Filament Bulb	Green	P2ALRP3	190.00		
	24V, 48V,110V,	Red	P2ALRP4	190.00		
	24V, 48V,110V, 230 V AC/DC	Amber	P2ALRP5	190.00		
77		Blue	P2ALRP6	190.00		
1 -		Clear	P2ALRP7	190.00		
		Yellow	P2ALRP8	190.00		
Connection with Resistor	Please ı	mention the voltage r	equired after the ordering	code		



		PLASTIC SERIES	-						
LUMINATED ACTU	ATORS WITH INTEGRAL	. LED / LED BULB							
	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB				
	Illuminated Flush a	actuator, Momentary							
		White LED / White Lens	P2ALRF1L(S)	375.00					
	Integral LED	Green LED / Green Lens	P2ALRF3L	235.00					
-	6V, 12V, 24V, 48V	Red LED / Red Lens	P2ALRF4L	235.00					
The same of the sa	AC/DC, 110VAC,	Amber LED / Amber Lens	P2ALRF5L	235.00					
WEELSTON.	110VDC, 230VAC,	Blue LED / Blue Lens	P2ALRF6L	485.00					
Married Printers	220VDC	White LED / Clear Lens	P2ALRF7L(S)	375.00					
		Yellow LED / Yellow Lens	P2ALRF8L	235.00					
Integral LED	Please mention the voltag	e required after the ordering code							
		White LED Bulb / White Lens	P2ALF1LB(S)		460.00				
	LED Bulls BACC Aures	Green LED Bulb / Green Lens	P2ALF3LB		245.00				
The same of	LED Bulb, BA9S type	Red LED Bulb / Red Lens	P2ALF4LB		245.00				
All Control	24V AC/DC, 110VAC,	Amber LED Bulb / Amber Lens	P2ALF5LB		245.00				
THE REAL PROPERTY.	110VDC, 230VAC,	Blue LED Bulb / Blue Lens	P2ALF6LB		485.00				
200	220VDC	White LED Bulb/ Clear Lens	P2ALF7LB(S)		460.00				
		Yellow LED Bulb / Yellow Lens	P2ALF8LB		245.00				
LED Bulb	Please mention the voltag	e required after the ordering code							
	Illuminated Project	Illuminated Projecting Actuator, Momentary							
	•	White LED / White Lens	P2ALRP1L(S)	375.00					
	Integral LED	Green LED / Green Lens	P2ALRP3L	235.00					
-	6V, 12V, 24V, 48V	Red LED / Red Lens	P2ALRP4L	235.00					
	AC/DC, 110VAC,	Amber LED / Amber Lens	P2ALRP5L	235.00					
100.00	110VDC, 230VAC,	Blue LED / Blue Lens	P2ALRP6L	485.00					
1	220VDC	White LED / Clear Lens	P2ALRP7L(S)	375.00					
		Yellow LED / Yellow Lens	P2ALRP8L	235.00					
Integral LED	Please mention the voltag	e required after the ordering code							
		White LED Bulb / White Lens	P2ALP1LB(S)		460.00				
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ALP3LB		245.00				
		Red LED Bulb / Red Lens	P2ALP4LB		245.00				
43 115 1	24V AC/DC, 110VAC,	Amber LED Bulb / Amber Lens	P2ALP5LB		245.00				
	110VDC, 230VAC,	Blue LED Bulb / Blue Lens	P2ALP6LB		485.00				
Section 1	220VDC	White LED Bulb/ Clear Lens	P2ALP7LB(S)		460.00				
		Yellow LED Bulb / Yellow Lens	P2ALP8LB		245.00				
LED Bulb	Please mention the voltage	e required after the ordering code							



	PLA	STIC SERIES					
ILLUMINATED SELECTOR WITH FILAMENT BULB							
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB			
	2 Position Stayput						
		White	P2ASL1-2P	325.00			
4 3	Filament bulb	Green	P2ASL3-2P	325.00			
	6V to 130V AC/DC	Red	P2ASL4-2P	325.00			
THE REAL PROPERTY.		Amber	P2ASL5-2P	325.00			
-	Q Q	Blue	P2ASL6-2P	325.00			
		Clear	P2ASL7-2P	325.00			
		Yellow	P2ASL8-2P	325.00			
Direct Connection	Please n	nention the voltage i	required after the ordering	code			
	Filament bulb	White	P2ASLR1-2P	340.00			
		Green	P2ASLR3-2P	340.00			
	24 V,48V,110V,	Red	P2ASLR4-2P	340.00			
- A	230V AC/DC	Amber	P2ASLR5-2P	340.00			
2000	٩٥٥	Blue	P2ASLR6-2P	340.00			
		Clear	P2ASLR7-2P	340.00			
	*	Yellow	P2ASLR8-2P	340.00			
Connection with Resistor	Please n	Please mention the voltage required after the ordering code					
	2 Position Momentary						
		White	P2ASL1-2PSR	325.00			
	Filament bulb	Green	P2ASL3-2PSR	325.00			
The same of the sa	6V to 130V AC/DC	Red	P2ASL4-2PSR	325.00			
- The Late of the		Amber	P2ASL5-2PSR	325.00			
	0 0	Blue	P2ASL6-2PSR	325.00			
	Y LOND	Clear	P2ASL7-2PSR	325.00			
	*	Yellow	P2ASL8-2PSR	325.00			
Direct Connection	Please n	nention the voltage i	required after the ordering	code			
	ett I b U	White	P2ASLR1-2PSR	340.00			
	Filament bulb 24 V,48V,110V, 230V AC/DC	Green	P2ASLR3-2PSR	340.00			
		Red	P2ASLR4-2PSR	340.00			
		Amber	P2ASLR5-2PSR	340.00			
	0,0	Blue	P2ASLR6-2PSR	340.00			
		Clear	P2ASLR7-2PSR	340.00			
		Yellow	P2ASLR8-2PSR	340.00			
Connection with Resistor	Please n	nention the voltage	required after the ordering				
Connection with Resistor Please mention the voltage required after the ordering code							



-		PLASTIC SERIES	•		
LUMINATED SELECT	OR ACTUATOR WITH LEI	D			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB
	2 Position Stayput				
	Integral LED	White LED / White Lens	P2ASLR1L(S)-2P	525.00	
	6V, 12V, 24V, 48V AC/DC,	Green LED / Green Lens	P2ASLR3L-2P	385.00	
THE REAL PROPERTY.	110VAC, 110VDC, 230VAC,	Red LED / Red Lens	P2ASLR4L-2P	385.00	
ACCURATE STATE	220VDC	Amber LED / Amber Lens	P2ASLR5L-2P	385.00	
and the same of		Blue LED / Blue Lens	P2ASLR6L-2P	625.00	
	٥, ٥	White LED / Clear Lens	P2ASLR7L(S)-2P	525.00	
	~	Yellow LED / Yellow Lens	P2ASLR8L-2P	385.00	
Integral LED		Please mention the voltage	required after the orderi	ng code	
	LED Bulb, BA9S type	White LED Bulb / White Lens	P2ASL1LB(S)-2P		625.00
	24V AC/DC,	Green LED Bulb / Green Lens	P2ASL3LB-2P		395.00
	110VAC, 110VDC, 230VAC,	Red LED Bulb / Red Lens	P2ASL4LB-2P		395.00
	220VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-2P		395.00
The second second		Blue LED Bulb / Blue Lens	P2ASL6LB-2P		655.00
	٩. ٠٠	White LED Bulb / Clear Lens	P2ASL7LB(S)-2P		625.00
Salar Para	•	Yellow LED Bulb / Yellow Lens	P2ASL8LB-2P		395.00
LED Bulb		Please mention the voltage	required after the orderi	ng code	-
-	2 Position Momentar	v			
	Integral LED	White LED / White Lens	P2ASLR1L(S)-2PSR	525.00	
and the same of	6V, 12V, 24V, 48V AC/DC,	Green LED / Green Lens	P2ASLR3L-2PSR	385.00	
	110VAC, 110VDC, 230VAC,	Red LED / Red Lens	P2ASLR4L-2PSR	385.00	
The Later of the Lot o	220VDC	Amber LED / Amber Lens	P2ASLR5L-2PSR	385.00	
Sec. 19		Blue LED / Blue Lens	P2ASLR6L-2PSR	625.00	
	0,,,,,,,,,,	White LED / Clear Lens	P2ASLR7L(S)-2PSR	525.00	
	<u> </u>	Yellow LED / Yellow Lens	P2ASLR8L-2PSR	385.00	
Integral LED		Please mention the voltage		ng code	
	LED Bulb, BA9S type	White LED Bulb / White Lens	P2ASL1LB(S)-2PSR	-	625.00
	24V AC/DC,	Green LED Bulb / Green Lens	P2ASL3LB-2PSR		395.00
4	110VAC, 110VDC, 230VAC,	Red LED Bulb / Red Lens	P2ASL4LB-2PSR		395.00
	220VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-2PSR		395.00
- Carrier		Blue LED Bulb / Blue Lens	P2ASL6LB-2PSR		655.00
	Q, , o	White LED Bulb / Clear Lens	P2ASL7LB(S)-2PSR		625.00
	•••	Yellow LED Bulb / Yellow Lens	P2ASL8LB-2PSR		395.00



	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB		
	3 Position Illuminate	ed Selector Ac	tuator	WIIII DOLD		
		White	P2ASL1-3P	340.00		
	Stayput	Green	P2ASL3-3P	340.00		
	Filament bulb	Red	P2ASL4-3P	340.00		
	6V to 130V AC/DC	Amber	P2ASL5-3P	340.00		
	0 0 0	Blue	P2ASL6-3P	340.00		
		Clear	P2ASL7-3P	340.00		
		Yellow	P2ASL8-3P	340.00		
	Please m	ention the voltage i	equired after the ordering o	code		
	Momentary	White	P2ASL1-3PSR	350.00		
	Filament bulb	Green	P2ASL3-3PSR	350.00		
	6V to 130V AC/DC	Red Amber	P2ASL4-3PSR	350.00		
A STATE OF THE PARTY OF THE PAR		Blue	P2ASL5-3PSR P2ASL6-3PSR	350.00 350.00		
Control of the Contro	0,000	Clear	P2ASL7-3PSR	350.00		
ASSESSED FOR	\ 1.	Yellow	P2ASL8-3PSR	350.00		
100000000000000000000000000000000000000	Please m	ention the voltage i	equired after the ordering o	code		
Sept 100		White	P2ASL1-3PSRL	350.00		
The second second	Stayput / Momentary	Green	P2ASL3-3PSRL	350.00		
	Filament bulb	Red	P2ASL4-3PSRL	350.00		
	6V to 130V AC/DC	Amber	P2ASL5-3PSRL	350.00		
	0.00	Blue	P2ASL6-3PSRL	350.00		
	7	Clear	P2ASL7-3PSRL	350.00		
		Yellow	P2ASL8-3PSRL	350.00		
	Please mention the voltage required after the ordering code					
	Stayput / Momentary	White	P2ASL1-3PSRR	350.00		
	Filament bulb	Green Red	P2ASL3-3PSRR P2ASL4-3PSRR	350.00 350.00		
	6V to 130V AC/DC	Amber	P2ASL4-3P3RR P2ASL5-3PSRR	350.00		
	0,0,0	Blue	P2ASL6-3PSRR	350.00		
		Clear	P2ASL7-3PSRR	350.00		
	***	Yellow	P2ASL8-3PSRR	350.00		
Direct Connection	Please m	ention the voltage i	equired after the ordering o	code		
	Stayput	White	P2ASLR1-3P	355.00		
	Filament Bulb	Green	P2ASLR3-3P	355.00		
	24V,48V,130V,	Red	P2ASLR4-3P	355.00		
	230V AC/DC	Amber	P2ASLR5-3P	355.00		
	900	Blue	P2ASLR6-3P	355.00		
	\./\	Clear	P2ASLR7-3P P2ASLR8-3P	355.00 355.00		
	Yellow P2ASLR8-3P 3. Please mention the voltage required after the ordering code					
	-					
	Momentary Filament Bulb	White Green	P2ASLR1-3PSR P2ASLR3-3PSR	370.00 370.00		
	24V,48V,130V,	Red	P2ASLR3-3PSR P2ASLR4-3PSR	370.00		
	230V AC/DC	Amber	P2ASLR5-3PSR	370.00		
8.00		Blue	P2ASLR6-3PSR	370.00		
	0.000	Clear	P2ASLR7-3PSR	370.00		
	W	Yellow	P2ASLR8-3PSR	370.00		
	Please m	ention the voltage i	equired after the ordering o	code		
The same of the sa	Stayput / Momentary	White	P2ASLR1-3PSRL	370.00		
State of the last	Filament Bulb	Green	P2ASLR3-3PSRL	370.00		
	24V,48V,130V,	Red	P2ASLR4-3PSRL	370.00		
	230V AC/DC	Amber	P2ASLR5-3PSRL	370.00		
	0 0 0	Blue	P2ASLR6-3PSRL	370.00		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Clear	P2ASLR7-3PSRL	370.00		
		Yellow	P2ASLR8-3PSRL	370.00		
	Please mention the voltage					
	Stayput / Momentary	White	P2ASLR1-3PSRR	370.00		
	Filament Bulb	Green	P2ASLR3-3PSRR	370.00		
	24V,48V,130V,	Red	P2ASLR4-3PSRR	370.00		
	230V AC/DC	Amber Blue	P2ASLR5-3PSRR P2ASLR6-3PSRR	370.00 370.00		
	a, 9,0	Clear	P2ASLR7-3PSRR	370.00		
	1.00	Yellow	P2ASLR7-3P3RR	370.00		



		PLASTIC SERIES						
LLUMINATED SELECT	OR WITH LED/LED BULE							
	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.	PRICE IN Rs.			
	3 Position Illuminate	d Coloston Astrodon		INTEGRAL LED	WITH LED BULB			
		White LED / White Lens	D2 ACL D41 /C\ 2D	545.00	1			
	Stayput Integral LED	Green LED / Green Lens	P2ASLR1L(S)-3P P2ASLR3L-3P	405.00				
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3P	405.00				
	110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3P	405.00				
	230VAC, 220VDC	Blue LED / Blue Lens	P2ASLR6L-3P	645.00				
	0,0,0	White LED / Clear Lens	P2ASLR7L(S)-3P	545.00				
	W	Yellow LED / Yellow Lens	P2ASLR8L-3P	405.00				
		Please mention the voltag	e required after the orderi	ng code				
	Momentary	White LED / White Lens	P2ASLR1L(S)-3PSR	550.00				
-	Integral LED	Green LED / Green Lens	P2ASLR3L-3PSR	420.00				
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3PSR	420.00				
	110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3PSR	420.00				
A 24 16 10	230VAC, 220VDC	Blue LED / Blue Lens White LED / Clear Lens	P2ASLR6L-3PSR P2ASLR7L(S)-3PSR	650.00 550.00				
Name of Street,	0.000	Yellow LED / Yellow Lens	P2ASLR7L(3)-3PSR P2ASLR8L-3PSR	420.00				
	-	Please mention the voltage						
Access to the same of	Stayput / Momentary	White LED / White Lens	P2ASLR1L(S)-3PSRL	550.00				
	Integral LED	Green LED / Green Lens	P2ASLR1L(5)-3PSRL P2ASLR3L-3PSRL	420.00				
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3PSRL	420.00				
	110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3PSRL	420.00				
	230VAC, 220VDC	Blue LED / Blue Lens	P2ASLR6L-3PSRL	650.00				
	0,00	White LED / Clear Lens	P2ASLR7L(S)-3PSRL	550.00				
	- A.	Yellow LED / Yellow Lens	P2ASLR8L-3PSRL	420.00				
		Please mention the voltag	e required after the orderi	ng code				
	Stayput / Momentary	White LED / White Lens	P2ASLR1L(S)-3PSRR	550.00				
	Integral LED	Green LED / Green Lens	P2ASLR3L-3PSRR	420.00				
	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3PSRR	420.00				
	110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3PSRR	420.00				
	230VAC, 220VDC	Blue LED / Blue Lens White LED / Clear Lens	P2ASLR6L-3PSRR P2ASLR7L(S)-3PSRR	650.00 550.00				
	0,000	Yellow LED / Yellow Lens	P2ASLR7L(3)-3PSRR P2ASLR8L-3PSRR	420.00				
Integral LED		Please mention the voltag	<u> </u>					
	Stayput	White LED Bulb / White Lens	P2ASL1LB(S)-3P		645.00			
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3P		420.00			
	24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3P		420.00			
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-3P		420.00			
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P2ASL6LB-3P		670.00			
	9,0	White LED Bulb/ Clear Lens	P2ASL7LB(S)-3P		645.00			
	· · ·	Yellow LED Bulb / Yellow Lens	P2ASL8LB-3P		420.00			
		Please mention the voltag	e required after the orderi	ng code				
	Momentary	White LED Bulb / White Lens	P2ASL1LB(S)-3PSR		655.00			
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3PSR		425.00			
	24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3PSR		425.00			
	110VAC, 110VDC 230VAC, 220VDC	Amber LED Bulb / Amber Lens Blue LED Bulb / Blue Lens	P2ASL5LB-3PSR P2ASL6LB-3PSR		425.00 680.00			
		White LED Bulb / Clear Lens	P2ASL7LB(S)-3PSR		655.00			
	0000	Yellow LED Bulb / Yellow Lens	P2ASL8LB-3PSR		425.00			
200	-	Please mention the voltage required after the ordering code						
Charles ST.	Stayput / Momentary	White LED Bulb / White Lens	P2ASL1LB(S)-3PSRL	<u></u>	655.00			
The second second	LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3PSRL		425.00			
100	24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3PSRL		425.00			
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-3PSRL		425.00			
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P2ASL6LB-3PSRL		680.00			
	0 0 0	White LED Bulb/ Clear Lens	P2ASL7LB(S)-3PSRL		655.00			
	م و ب	Yellow LED Bulb / Yellow Lens P2ASL8LB-3PSRL 425.00						
	0-0-0	Tellow LED Balby Tellow Lells						
		Please mention the voltage	e required after the orderi	ng code				
	Stayput / Momentary	·	e required after the orderi P2ASL1LB(S)-3PSRR	ing code	655.00			
	•	Please mention the voltag		ing code	655.00 425.00			
	Stayput / Momentary LED Bulb, BA9S type 24V AC/DC,	Please mention the voltag White LED Bulb / White Lens Green LED Bulb / Green Lens Red LED Bulb / Red Lens	P2ASL1LB(S)-3PSRR P2ASL3LB-3PSRR P2ASL4LB-3PSRR	ing code	425.00 425.00			
	Stayput / Momentary LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC	Please mention the voltag White LED Bulb / White Lens Green LED Bulb / Green Lens Red LED Bulb / Red Lens Amber LED Bulb / Amber Lens	P2ASL1LB(S)-3PSRR P2ASL3LB-3PSRR P2ASL4LB-3PSRR P2ASL5LB-3PSRR	ing code	425.00 425.00 425.00			
	Stayput / Momentary LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC 230VAC, 220VDC	Please mention the voltag White LED Bulb / White Lens Green LED Bulb / Green Lens Red LED Bulb / Red Lens Amber LED Bulb / Amber Lens Blue LED Bulb / Blue Lens	P2ASL1LB(S)-3PSRR P2ASL3LB-3PSRR P2ASL4LB-3PSRR P2ASL5LB-3PSRR P2ASL5LB-3PSRR	ing code	425.00 425.00 425.00 680.00			
	Stayput / Momentary LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC	Please mention the voltag White LED Bulb / White Lens Green LED Bulb / Green Lens Red LED Bulb / Red Lens Amber LED Bulb / Amber Lens	P2ASL1LB(S)-3PSRR P2ASL3LB-3PSRR P2ASL4LB-3PSRR P2ASL5LB-3PSRR	ng code	425.00 425.00 425.00			



	PLAS	STIC SERIES			
TWIN ILLUMINATED AC	TUATORS WITH FILE	AMENT BULB			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB	
	Twin Illuminated 1	Flush, 1 Projec	ting (IO) Mark		
	Filament bulb 6V to 130V AC/DC	Red Green Amber Lens	P2ATL5F3P4 (IO)	255.00	
Direct Connection	Please m	nention the voltage re	equired after the ordering	g code	
	Filament bulb 24 V,48V,110V, 230V AC/DC	Red Green Amber Lens	P2ATLR5F3P4 (IO)	270.00	
Connection with Resistor	Please m	nention the voltage re	equired after the ordering	g code	
Manage Handy and	Twin Illuminated Double Flush, (IO) Mark				
	Filament bulb 6V to 130V AC/DC	Red Green Amber Lens	P2ATL5 F3F4 (IO)	255.00	
Direct Connection	Please m	nention the voltage re	equired after the ordering	g code	
	Filament bulb 24 V,48V,110V, 230V AC/DC	Red Green Amber Lens	P2ATLR5 F3F4 (IO)	270.00	
Connection with Resistor	Please m	nention the voltage re	equired after the ordering	g code	



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 22.5 Ø PLASTIC SERIES

TWIN ILLUMINATED ACT	TWIN ILLUMINATED ACTUATORS WITH LED						
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB		
	Twin Illuminated 1 Flo	ush, 1 Projectin	g, (IO) Mark				
NAME OF TAXABLE PARTY.	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	P2ATLR5LF3P4 (IO)	310.00			
Integral LED	Please mention the voltage re	quired after the orde	ering code				
	LED Bulb,BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	P2ATL5LBF3P4 (IO)		330.00		
LED Bulb	Please mention the voltage re	quired after the orde	ering code				
	Twin Illuminated Double Flush, (IO) Mark						
20.45	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	P2ATLR5LF3F4 (IO)	310.00			
Integral LED	Please mention the voltage re	quired after the orde	ering code				
	LED Bulb,BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber lens	P2ATL5LBF3F4 (IO)		330.00		
LED Bulb	Please mention the voltage re	Please mention the voltage required after the ordering code					



	PLAS	TIC SERIES		
PILOT LIGHTS WITH FILA	AMENT BULB			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH BULB
	Pilot Light			
		White	P2PLB1	145.00
-		Green	P2PLB3	145.00
	Filament Bulb	Red	P2PLB4	145.00
THE PERSON NAMED IN		Amber	P2PLB5	145.00
	6V to 130V AC/DC	Blue	P2PLB6	145.00
		Clear	P2PLB7	145.00
		Yellow	P2PLB8	145.00
<b>Direct Connection</b>	Please mention the voltage	required after the	ordering code	
		White	P2PLBR1	155.00
		Green	P2PLBR3	155.00
	Filament Bulb	Red	P2PLBR4	155.00
The same of the sa	24V,48V,110V,	Amber	P2PLBR5	155.00
2000	230V AC/DC	Blue	P2PLBR6	155.00
- 2		Clear	P2PLBR7	155.00
	Ī	Yellow	P2PLBR8	155.00
Connection with Resistor	Please mention the voltage	required after the	ordering code	
		White	P2PLBR1240AC	155.00
	l	Green	P2PLBR3240AC	155.00
	l	Red	P2PLBR4240AC	155.00
	Filament bulb	Amber	P2PLBR5240AC	155.00
2000	230 V AC	Blue	P2PLBR6240AC	155.00
	l	Clear	P2PLBR7240AC	155.00
	Ī	Yellow	P2PLBR8240AC	155.00
Connection with Resistor +	Please mention the voltage	roquired after the	ordering code	
Diode		required after the	ordering code	
	Filament bulb			
	Primary volt. Sec. Volt.	White	P2PLBT1 XXX / YY	400.00
	110VAC 06	Green	P2PLBT3 XXX / YY	400.00
	110VAC 12	Red	P2PLBT4 XXX / YY	400.00
	110VAC 24	Amber	P2PLBT5 XXX / YY	400.00
	Primary volt. Sec. Volt.	Blue	P2PLBT6 XXX / YY	400.00
Trans.	240VAC 06	Clear	P2PLBT7 XXX / YY	400.00
	240VAC 12	Yellow	P2PLBT8 XXX / YY	400.00
	240VAC 24		1	
Compostion with Towns		XXX - Pri	mary Voltage	
Connection with Transformer			ndary Voltage	



		PLASTIC SERIES		
ILOT LIGHTS				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED
	Pilot Light with Integr	ral LED		
		White LED / White Lens	P2PLBR1L(S)	365.00
	Integral LED	Green LED / Green Lens	P2PLBR3L	200.00
The Part of the Pa	6V, 12V, 24V, 48V AC/DC,	Red LED / Red Lens	P2PLBR4L	200.00
	110VAC, 110VDC, 230VAC,	Amber LED / Amber Lens	P2PLBR5L	200.00
	220VDC	Blue LED / Blue Lens	P2PLBR6L	500.00
	220000	White LED / Clear Lens	P2PLBR7L(S)	365.00
		Yellow LED / Yellow Lens	P2PLBR8L	200.00
Integral LED	Please mention the voltage re	quired after the ordering code		
		White LED Bulb / White Lens	P2PLBR1LF(S)	365.00
		Green LED Bulb / Green Lens	P2PLBR3LF	200.00
	Integral LED, Flasher 24V,	Red LED Bulb / Red Lens	P2PLBR4LF	200.00
A	110V, 230V AC	Amber LED Bulb / Amber Lens	P2PLBR5LF	200.00
TO STREET, IN	110V, 230V AC	Blue LED Bulb / Blue Lens	P2PLBR6LF	500.00
THE PARTY NAMED IN		White LED Bulb/ Clear Lens	P2PLBR7LF(S)	365.00
		Yellow LED Bulb / Yellow Lens	P2PLBR8LF	200.00
Integral LED	Please mention the voltage re	quired after the ordering code		
	Integral LED, Universal	White LED / White Lens	P2PLBR1LU(S)	515.00
		Green LED / Green Lens	P2PLBR3LU	365.00
		Red LED / Red Lens	P2PLBR4LU	365.00
		Amber LED / Amber Lens	P2PLBR5LU	365.00
1000	24V upto 240V AC / DC	Blue LED / Blue Lens	P2PLBR6LU	615.00
1272		White LED / Clear Lens	P2PLBR7LU(S)	515.00
		Yellow LED / Yellow Lens	P2PLBR8LU	365.00
Integral LED, Universal	Please mention the voltage re	quired after the ordering code	•	
		White LED / White Lens	P2PLBR1L(S)	425.00
Street 1		Green LED / Green Lens	P2PLBR3L	255.00
		Red LED / Red Lens	P2PLBR4L	255.00
	Integral LED	Amber LED / Amber Lens	P2PLBR5L	255.00
	415VAC	Blue LED / Blue Lens	P2PLBR6L	550.00
		White LED / Clear Lens	P2PLBR7L(S)	425.00
		Yellow LED / Yellow Lens	P2PLBR8L	255.00
Integral LED, 415VAC	Please mention the voltage re	quired after the ordering code		
		White LED / White Lens	P2PLBR1L(S)**TL	500.00
Consumer of the Consumer of th		Green LED / Green Lens	P2PLBR3L**TL	300.00
	Integral LED, Test Lamp	Red LED / Red Lens	P2PLBR4L**TL	300.00
The same of the sa	24V AC/DC, 110VAC,	Amber LED / Amber Lens	P2PLBR5L**TL	300.00
	110VDC, 230VAC, 220VDC	Blue LED / Blue Lens	P2PLBR6L**TL	645.00
(	, ., ., .,	White LED / Clear Lens	P2PLBR7L(S)**TL	500.00
		Yellow LED / Yellow Lens	P2PLBR8L**TL	300.00
Integral LED, Test Lamp	** Disease montion the voltage	required after the ordering code		



			PLASTIC SERIES		
PILOT LIGHTS					
	TY	/PE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Pilot Light	with LED B	ulb		
			White LED Bulb / White Lens	P2PLB1LB(S)	425.00
			Green LED Bulb / Green Lens	P2PLB3LB	215.00
100	LED Bulb, BA	9S type	Red LED Bulb / Red Lens	P2PLB4LB	215.00
10 mm 45	24V AC/DC, 1	l10VAC,	Amber LED Bulb / Amber Lens	P2PLB5LB	215.00
THE CONTRACTOR	110VDC, 230	VAC, 220VDC	Blue LED Bulb / Blue Lens	P2PLB6LB	450.00
			White LED Bulb / Clear Lens	P2PLB7LB(S)	425.00
			Yellow LED Bulb / Yellow Lens	P2PLB8LB	215.00
LED Bulb	Please mention	n the voltage re	equired after the ordering code		
	LED Bulb				
4	Pri. Volt.	Sec Volt.	White LED Bulb / White Lens	P2PLBT1LB(S) XXX / YY	710.00
	110VAC	06	Green LED Bulb / Green Lens	P2PLBT3LB XXX / YY	505.00
	110VAC	12	Red LED Bulb / Red Lens	P2PLBT4LB XXX / YY	505.00
	110VAC	24	Amber LED Bulb / Amber Lens	P2PLBT5LB XXX / YY	505.00
	Pri. Volt.	Sec Volt.	Blue LED Bulb / Blue Lens	P2PLBT6LB XXX / YY	740.00
T * -	240VAC	06	White LED Bulb / Clear Lens	P2PLBT7LB(S) XXX / YY	710.00
	240VAC	12	Yellow LED Bulb / Yellow Lens	P2PLBT8LB XXX / YY	505.00
	240VAC	24			
			XXX - Primary	y Voltage	
<b>Connection with Transformer</b>			YY - Secondai	ry Voltage	



		PLASTIC SERIES						
LED PILOT LIGHTS E	CONOMY SERIES							
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB				
		White LED / White Lens	3PLBR1L(S)	325.00				
Total State of	Integral LED	Green LED / Green Lens	3PLBR3L	160.00				
	6V, 12V, 24V, 48V AC/DC,	Red LED / Red Lens	3PLBR4L	160.00				
		Amber LED / Amber Lens	3PLBR5L	160.00				
問題	110VAC, 110VDC, 230VAC, – 220VDC	Blue LED / Blue Lens	3PLBR6L	445.00				
	22000C	White LED / Clear Lens	3PLBR7L(S)	325.00				
		Yellow LED / Yellow Lens	3PLBR8L	160.00				
	Please mention the voltage req	uired after the ordering code						
		White LED / White Lens	3PLBR1LU(S)	415.00				
		Green LED / Green Lens	3PLBR3LU	265.00				
	luta and LED	Red LED / Red Lens	3PLBR4LU	265.00				
	Integral LED,	Amber LED / Amber Lens	3PLBR5LU	265.00				
Sec. 1	24V upto 240V AC / DC	Blue LED / Blue Lens	3PLBR6LU	550.00				
1896		White LED / Clear Lens	3PLBR7LU(S)	415.00				
		Yellow LED / Yellow Lens	3PLBR8LU	265.00				
	Please mention the voltage req	Please mention the voltage required after the ordering code						
	Integral LED, Dual colour							
	24VAC	Green LED						
	110VAC	Red LED	3PLBR34L	270.00				
400 1	230VAC	White Lens						
	Please mention the voltage req	Please mention the voltage required after the ordering code						
	Integral LED with Buzzer							
	12VAC/DC							
	24VAC/DC							
	110VAC	Red LED	3PLBR4LBZ	285.00				
146 [±]	230VAC							
Sept.	Please mention the voltage req	uired after the ordering code	•					
	Integral LED with Test Lamp							
	12VAC/DC							
	24VAC/DC							
	110VAC	Red LED	3PLBR4LTL	250.00				
	230VAC							
		uired after the ordering code	•					
	Please mention the voltage required after the ordering code							



	PLASTIC SERIES		
CONTACT ELEMENTS			
	ТҮРЕ	ORDERING CODE	PRICE IN Rs.
	PANEL MOUNTING		
10 00	NORMALLY OPEN (NO) SILVER CONTACT	S1	72.50
	NORMALLY OPEN (NO) SILVER CONTACT (BREAK BEFORE MAKE)	\$1\$	72.50
	NORMALLY OPEN (NO) SILVER CONTACT ( MAKE BEFORE BREAK )	S1E	72.50
	NORMALLY CLOSED (NC) SILVER CONTACT	S2	72.50
	NORMALLY OPEN (NO) GOLD CONTACT	S3	195.00
THE THE PARTY OF T	NORMALLY CLOSED (NC) GOLD CONTACT	S4	195.00
	BASE MOUNTING		
	NORMALLY OPEN (NO) SILVER CONTACT	<b>S5</b>	72.50
The same of the sa	NORMALLY CLOSED (NC) SILVER CONTACT	S6	72.50
	NORMALLY OPEN (NO) GOLD CONTACT	<b>S7</b>	195.00
	NORMALLY CLOSED (NC) GOLD CONTACT	\$8	195.00

### Common types of control and signalling devices Ø 22.5 P series

Common types of contro	l and signalling o	devices Ø	<b>22.5</b> P series		II ==4,
Description	Actuator or		Contact Elements NO = S1 NC = S2 or Lamp Holder	Type of complete Control or Signalling Device	43 24 24
	P2AF3	Green	1NO	P2PSF310	
Flush Pushbutton	P2AF8	Yellow	2NO+1NC	P2PSF821	12
Drain eting Duahhuttan	P2AP2	Black	2NC	P2PSP202	
Projecting Pushbutton	P2AP4	Red	3NO+3NC	P2PSP433	8 L 20 L
Deeted Direktoria	P2AB3BT7	Green	2NO	P2PSB3BT720	21111
Booted Pushbutton	P2AB4BT7	Red	2NC	P2PSB4BT702	12,
Mushroom Pushbutton	P2AM2	Black	1NO+1NC	P2PSM211	04
Spring return	P2AM4	Red	1NC	P2PSM401	32
Mushroom Pushbutton	P2AML2	Black	1NC	P2PSML201	04
latching turn to release	P2AML4	Red	2NO+2NC	P2PSML422	32
Mushroom Pushbutton latching, key to release	P2AMLKB4	Red	1NO+1NC	P2PSMLKB411	24 32
Selector Actuator(2 Pos)	P2AS2-2P	Black	1NO	P2PSS210-2P	
Selector Actuator(3 Pos)	P2AS2-3P	Black	1NO+1NC	P2PSS211-3P	27
Key Actuator (2 Pos), key removable	e P2AK2-2PB		1NO	P2PSK210-2PB	
in both positions Key Actuator (3 Pos), key removabl- in left & right positions	e P2AK2-3PB		1NO+1NC	P2PSK211-3PB	24 21
Twin Pushbutton marked "I O"	201750 5110	Flush-Blac	ck 1 NO	D0D075040 5404 IO	
Flush - Flush	P2ATF2-F4-IO	Flush-Red	1 NC	P2PSTF210-F401-I0	27
Twin Pushbutton not marked	P2ATF3-P4	Flush-Gree	en 1NO+1NC	P2PSTF311-P411	12x30 12x30 12x30 12x30
Flush - Projecting	1 2/11 0 1 1	Proj-Red	1NO+1NC	12.01.011.111	15 43 43 A
Flush Illuminated Pushbutton with integral LED for 24V DC	P2ALRF3L24DC	Green	1NO+1NC	P2PSLRF3L1124D	c . The state of t
Projecting Illuminated Pushbutton with integral LED for 230V AC	P2ALRP4L230AC	Red	1NO+1NC	P2PSLRP4L11230	AC 19 66 08 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Twin Luminous Pushbutton marked "I O" Flush - Flush direct connection (130V)	P2ATL3-F2 -F4 IO130	Lense-Gre Flush-Blac Flush-Red	k 1 NO + 1 NC	P2PSTL3F211-F401-	10130
Twin Luminous Pushbutton not marked Flush - Projecting with resistance and (230AC)	P2ATLR5-F3 -P4230	Lense-Am Flush-Gree ProjRed		P2PSTLR5F310-P40	230
Pilot Light for direct	P2PLLA3	Green	2LHB130	P2PLB3130	652
connection upto 130V	P2PLLA4	Red	2LHB130	P2PLB4130	14 37
Pilot Light through resistor and diod	e P2PLLA5	Amber	2LHBR230 AC	P2PLBR5230AC	
for 230 V AC. Bulb:130 V.	P2PLLA6	Blue	2LHBR230 AC	P2PLBR6230AC	
Pilot Light with transformer	P2PLLA4	Red	2LHBT230/24	P2PLBT4230/24	
for 230 V Bulb:24 V.	P2PLLA3	Green	2LHBT230/24	P2PLBT3230/24	14 60
Pilot Light with LED bulb for 110V AC Bulb: 110V	P2PLLA5	Amber	2LHLB110	P2PLB5LB110	37
Pilot light economy type with integral LED for 220 DC	-	White	_	3PLBR1L220DC	9.628





#### **GENERAL TERMS AND CONDITIONS**

General Terms : Prices are ex-works Mumbai

HSN CODE : 85365010 for all the products of this MRP List

GST : 18%

Prices are subject to revision without notice and ruling at the time of delivery.

This price list supersedes all previous Price Lists.

Warranty Policy: TEKNIC equipment is guaranteed under the following terms:

For a period of 12 months from the date of sale, TEKNIC guarantees that its products are free from defects in material and workmanship, with the exception of consumables rendered unserviceable through normal use. During the said period, TEKNIC will replace or repair all parts acknowledged as defective due to factory workmanship and which have been returned in a timely manner by Buyer to TEKNIC and all costs and duties paid, together with a detailed description of the failure and a certified declaration of the number of hours of operation. Repaired or replaced parts will be redelivered FCA (named place) as per INCOTERMS 2000. This warranty is subject to the provision of correct usage, proper maintenance and does not cover defects arising out of fire, faulty operation, accident, inefficient maintenance and willful or accidental damage.

TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

### **TEKNIC ELECTRIC (I) PVT. LTD.**

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel : +91-22-42532500

Works : 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai - 400059. Tel: +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in



LR 3)

Control and Signaling Devices Ø 22.5 Metal Clip on Series

MRP with effect from 10.07.2023



### Control and signaling devices Ø22.5 Metallic Clip on series

#### Salient features

This range of Ø22.5 Metallic Clip on series pushbuttons, selector switches, illuminated switches and pilot lights in engineering plastic construction have been designed to provide the following salient features:

· Economy of space

Protection against electrical shock

Simple to fix-screw driver is all

Safe in operation

Aesthetically elegant

that is requiredShrouded terminals

· Robust in materials of construction

Fixing method unaffected by excessive

vibration unit does not rotate
 Resistant to corrosion

Larger operating surface than Ø30.5 series

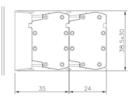
Very good flame resistance

#### **Actuators**

The circular actuators have metallic bezels and are functionally interchangeable on the different types of contact elements.

#### **Contact elements**

The contact elements have double break contacts. The elements are interchangeable and can be stacked without additional hardware. 1 to 6 elements (NO or NC) can be used with non illuminated actuators, whereas 1 to 4 elements (NO or NC) can be used for illuminated actuators. Gold plated NO and NC contact elements for low voltage, low current switching circuits < 25mA are available



#### Illuminated pushbuttons and pilot lights

Pilot lights and illuminated switches are suitable for direct connection using bayonet cap led bulb type BA9S as follows:

Supply voltage for direct connection without series resistor.............6V-240V

Bulb.....led type Ba9S with OAL max 28mm

#### **Terminals**

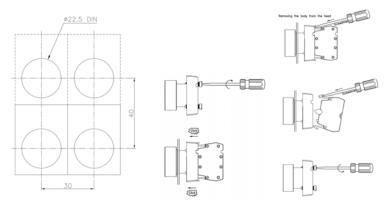
Contact elements and pilot lights are designed to have shrouded terminals with combi screws

#### **Fixing**

The Ø22.5 4P metallic Clip on series control devices can be fixed in any position on panels of 1 to 5 mm thickness.

We recommend minimum fixing centres of 30mm X 40mm. However, the dimensions and configuration should be decided on the basis of the application.

The actuators, pilot lights bayonet fits & the lense assemblies snap fits on the holding bracket. Details of the assembly shown in the diagram



#### Electrical and mechanical characteristics

Standards conformity : UL508, EN 60947-5-1

Approvals : UL508

Degree of protection : IP65 as per IEC 60529, NEMA 4X,12 as per UL50

Ambient : -25°C to +70°C
Operating position : All positions

Pollution degree

#### **Contact Block**

Rated insulation voltage : 500V
Rated thermal current : 10A
Contact operation : Slow

Contact operation : Slow break NO or NC Make and break capacity : AC15 4A, 415V AC As per IEC 60947-5-1 : DC13 0.5A, 110VDC As per UL 508 : A600 Q600

Terminal Capacity : Maximum 2X1.5mm², Minimum 1X2.5mm² or minimum 1X0.5mm²

Terminal marking : 1NC 2 for NC & 3NO 4 for NO

Short circuit protection : 10A HRC cartridge fuse, rated for resistive loading at 1000A prospective current

Mechanical life : Over 1 million operations

: 3

Screw clamp tightening torque : 0.8Nm (nominal recommended)

### Modules for pilot lights & illuminated switches with LED bulbs (Ba9S cap)

Current consumption (applicable to all colors) : max 20mA

Terminal capacity : Maximum 2X1.5mm², Minimum 1X2.5mm² or minimum 1X0.5mm²

Service life (at nominal voltage and at ambient temperature at : 50,000 hours

25°C



	CLIP OI	N METAL SERIES		
MOMENTARY ACTUA	ATORS			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	Flush	White	4AF1	80.50
		Black	4AF2	80.50
		Green	4AF3	80.50
		Red	4AF4	80.50
		Blue	4AF6	80.50
		Yellow	4AF8	80.50
	Projecting	White	4AP1	80.50
		Black	4AP2	80.50
		Green	4AP3	80.50
The state of the s		Red	4AP4	80.50
-		Blue	4AP6	80.50
		Yellow	4AP8	80.50
		_		
	Flush with	White	4AF1BA	105.00
	arrow marking	Black	4AF2WA	105.00
	Flush Relay Reset	White	4AF1RR	110.00
4-15		Black	4AF2RR	110.00
	1	Green	4AF3RR	110.00
fair		Red	4AF4RR	110.00
		Blue	4AF6RR	110.00
		Yellow	4AF8RR	110.00
	Recess head	White	4AF1RH	130.00
		Black	4AF2RH	130.00
80 10		Green	4AF3RH	130.00
		Red	4AF4RH	130.00
		Blue	4AF6RH	130.00
		Yellow	4AF8RH	130.00
	Booted	Black	4AB2	150.00
		Green	4AB3	150.00
The state of the s		Red	4AB4	150.00
100 mm		Blue	4AB6	150.00
		Yellow	4AB8	150.00



# Control & Signalling Devices 22.5 Ø

#### **CLIP ON METAL SERIES MUSHROOM ACTUATORS TYPE COLOUR ORDERING CODE** PRICE IN Rs. Black 4AMLS2 175.00 Latching Head Ø 30mm Red 4AMLS4 175.00 Black 4AM2 125.00 Momentary Head Ø 40mm 4AM3 Green 125.00 Red 4AM4 125.00 Blue 4AM6 125.00 Yellow 4AM8 125.00 Latching Black 4AML2 175.00 Head Ø 40mm 4AML4 175.00 Red **Push-Pull** Black 4AMPP2 175.00 Head Ø 40mm 4AMPP4 175.00 Red Black 350.00 Latching 4AMLKB2 4AMLKB4 350.00 with Key Red Head Ø 40mm



### Control & Signalling Devices 22.5 Ø

#### **CLIP ON METAL SERIES MUSHROOM ACTUATORS TYPE COLOUR ORDERING CODE** PRICE IN Rs. Latching Trigger 4AMLT2 260.00 **Black** Head Ø 40mm 4AMLT4 260.00 Red Latching Trigger **Black** 4AMLTKB2 440.00 with key Red 4AMLTKB4 440.00 Head Ø 40mm Latching **Black** 4AMLJ2 235.00 4AMLJ4 Head Ø 60mm Red 235.00 **Push-Pull** Black 4AMPPJ2 235.00 Head Ø 60mm Red 4AMPPJ4 235.00 Black 4AMJ2 175.00 4AMJ3 175.00 Momentary Green 4AMJ4 Head Ø 60mm Red 175.00 Blue 4AMJ6 175.00 4AMJ8 Yellow 175.00



### **CLIP ON METAL SERIES SELECTOR ACTUATORS TYPE COLOUR** ORDERING CODE PRICE IN Rs. 2 position 242.00 4AS2-2P LATCHING 242.00 With extended knob 4AS2E-2P Black 2 position MOMENTARY 242.00 4AS2-2PSR With extended knob 242.00 4AS2E-2PSR 3 position 4AS2-3P 242.00 **STAY PUT** With extended knob 242.00 4AS2E-3P **MOMENTARY** 4AS2-3PSR 263.00 on both sides With extended knob 4AS2E-3PSR 263.00 **MOMENTARY** 4AS2-3PSRR 263.00 on right With extended knob 4AS2E-3PSRR 263.00 **MOMENTARY** 4AS2-3PSRL 263.00 on left With extended knob 4AS2E-3PSRL 263.00



### **CLIP ON METAL SERIES KEY SELECTOR TYPE COLOUR ORDERING CODE** PRICE IN Rs. 2 POSITION 4AK2-2PB 335.00 Stayput 4AK2-2PO 335.00 Black 4AK2-2PI 335.00 Spring Return 4AK2-2POSR 335.00 3 POSITION 355.00 4AK2-3PA Stayput 4AK2-3PB 355.00 4AK2-3PC 355.00 Black Spring Return 4AK2-3PCSR 355.00 Spring Return 4AK2-3PCSRR 355.00 right to centre

4AK2-3PCSRL

355.00

Spring Return

left to centre

* X stands for position in which key is removable



	CLIP C	N METAL SERIES		
TWIN ACTUATORS				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	Twin Actutor Double Flush,	(IO) Mark		
(CASA)	Flush Button with I mark	Green		
	Flush Button with O mark	Red	4ATF3F4(IO)	160.00
	Twin Actuator Flush/Projec	ting, (IO) Mark		
	Flush Button with I mark	Green		
	Projecting Button with O mark	Red	4ATF3P4(IO)	160.00
100	Projecting Button with O mark			
TWIN ILLUMINATE	D ACTUATORS WITH LED BULB			
TWIN ILLUMINATEI		COLOUR	ORDERING CODE	PRICE IN Rs.
TWIN ILLUMINATE	O ACTUATORS WITH LED BULB	COLOUR	ORDERING CODE	PRICE IN Rs.
TWIN ILLUMINATE	D ACTUATORS WITH LED BULB	COLOUR	ORDERING CODE	PRICE IN Rs.
	TWIN Illuminated Double Fl	COLOUR ush, (IO) Mark	- 1	
	TYPE Twin Illuminated Double Flucture Bulb, BA9S type	COLOUR ush, (IO) Mark Green	ORDERING CODE  4ATL5LBF3F4 (IO)	PRICE IN Rs. 375.00
	TYPE Twin Illuminated Double Fluction LED Bulb, BA9S type 24 V AC/DC,	COLOUR ush, (IO) Mark Green Red	- 1	
	TYPE Twin Illuminated Double Fluctor Bulb, BA9S type 24 V AC/DC, 110 VAC, 110 VDC	COLOUR  ush, (IO) Mark  Green  Red  Amber Lense/Amber LED	- 1	
	TYPE Twin Illuminated Double Fluction LED Bulb, BA9S type 24 V AC/DC, 110 VAC, 110 VDC 230 VAC, 220 VDC	COLOUR  ush, (IO) Mark  Green  Red  Amber Lense/Amber LED  the ordering code	- 1	
	TYPE Twin Illuminated Double Fluction LED Bulb, BA9S type 24 V AC/DC, 110 VAC, 110 VDC 230 VAC, 220 VDC Please mention the voltage required after	COLOUR  ush, (IO) Mark  Green  Red  Amber Lense/Amber LED  the ordering code	- 1	
	TYPE Twin Illuminated Double Flush, BA9S type 24 V AC/DC, 110 VAC, 110 VDC 230 VAC, 220 VDC Please mention the voltage required after Twin Illuminated 1 Flush, 1	COLOUR  ush, (IO) Mark  Green Red Amber Lense/Amber LED  the ordering code  Projecting, (IO) Mark	4ATL5LBF3F4 (IO)	375.00
	TYPE Twin Illuminated Double Fluit LED Bulb, BA9S type 24 V AC/DC, 110 VAC, 110 VDC 230 VAC, 220 VDC Please mention the voltage required after Twin Illuminated 1 Flush, 1 LED Bulb, BA9S type	COLOUR  ush, (IO) Mark  Green  Red  Amber Lense/Amber LED  the ordering code  Projecting, (IO) Mark  Green	- 1	



	(	CLIP ON METAL SERIES		
LLUMINATED MON	IENTARY ACTUATORS V	WITH LED BULB		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Illuminated Flush,	Momentary		
	LED Bulb, BA9S type	White LED Bulb / White Lens	4ALF1LB(S)	510.00
	24V AC/DC,	Green LED Bulb / Green Lens	4ALF3LB	280.00
ALTERNATION (C. A.	110VAC, 110VDC	Red LED Bulb / Red Lens	4ALF4LB	280.00
重につ	230VAC, 220VDC	Amber LED Bulb / Amber Lens	4ALF5LB	280.00
		Blue LED Bulb / Blue Lens	4ALF6LB	545.00
		White LED Bulb/ Clear Lens	4ALF7LB(S)	510.00
		Yellow LED Bulb / Yellow Lens	4ALF8LB	280.00
LED Bulb	Please mention the voltage	required after the ordering code		
	Illuminated Projec	ting, Momentary		
		MI : 150 0 H /MI : 1	4A1 D41 D/C)	540.00
	LED D. H. DAGG	White LED Bulb / White Lens	4ALP1LB(S)	510.00
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	4ALP3LB	280.00
	24V AC/DC,	Red LED Bulb / Red Lens	4ALP4LB	280.00
West,	110VAC, 110VDC	Amber LED Bulb / Amber Lens	4ALP5LB	280.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	4ALP6LB	545.00
		White LED Bulb/ Clear Lens	4ALP7LB(S)	510.00
		Yellow LED Bulb / Yellow Lens	4ALP8LB	280.00
LED Bulb	Please mention the voltage	required after the ordering code		



#### **CLIP ON METAL SERIES** ILLUMINATED SELECTOR ACTUATOR WITH LED BULB PRICE IN Rs. **TYPE COLOUR ORDERING CODE** WITH LED BULB 2 Position illuminated selector actuator LED Bulb BA9S type White LED Bulb / White Lens 4ASL1LB(S)-2P 705.00 24V AC/DC, Green LED Bulb / Green Lens 4ASL3LB-2P 465.00 110VAC, 110VDC Red LED Bulb / Red Lens 4ASL4LB-2P 465.00 230VAC, 220VDC Amber LED Bulb / Amber Lens 4ASL5LB-2P 465.00 Blue LED Bulb / Blue Lens 4ASL6LB-2P 730.00 White LED Bulb / Clear Lens 4ASL7LB(S)-2P 705.00 Yellow LED Bulb / Yellow Lens 4ASL8LB-2P 465.00 Please mention the voltage required after the ordering code LED Bulb BA9S type White LED Bulb / White Lens 4ASL1LB(S)-2PSR 705.00 24V AC/DC, Green LED Bulb / Green Lens 4ASL3LB-2PSR 465.00 110VAC, 110VDC Red LED Bulb / Red Lens 4ASL4LB-2PSR 465.00 230VAC, 220VDC Amber LED Bulb / Amber Lens 4ASL5LB-2PSR 465.00 Blue LED Bulb / Blue Lens 4ASL6LB-2PSR 730.00 White LED Bulb / Clear Lens 4ASL7LB(S)-2PSR 705.00 Yellow LED Bulb / Yellow Lens 4ASL8LB-2PSR 465.00 **LED Bulb** Please mention the voltage required after the ordering code



#### **CLIP ON METAL SERIES** ILLUMINATED SELECTOR WITH LED BULB PRICE IN Rs. **TYPE** COLOUR **ORDERING CODE** WITH LED BULB 3 Position Illuminated Selector Actuator Stayput White LED Bulb / White Lens 4ASL1LB(S)-3P 725.00 LED Bulb BA9S type Green LED Bulb / Green Lens 4ASL3LB-3P 480.00 24V AC/DC, Red LED Bulb / Red Lens 4ASL4LB-3P 480.00 4ASL5LB-3P 110VAC, 110VDC Amber LED Bulb / Amber Lens 480.00 230VAC, 220VDC Blue LED Bulb / Blue Lens 4ASL6LB-3P 755.00 White LED Bulb/ Clear Lens 4ASL7LB(S)-3P 725.00 مرمیه Yellow LED Bulb / Yellow Lens 4ASL8LB-3P 480.00 Please mention the voltage required after the ordering code White LED Bulb / White Lens 4ASL1LB(S)-3PSR 735.00 Momentary LED Bulb BA9S type Green LED Bulb / Green Lens 4ASL3LB-3PSR 495.00 24V AC/DC. Red LED Bulb / Red Lens 495.00 4ASL4LB-3PSR 110VAC, 110VDC Amber LED Bulb / Amber Lens 4ASL5LB-3PSR 495.00 230VAC, 220VDC Blue LED Bulb / Blue Lens 4ASL6LB-3PSR 765.00 White LED Bulb / Clear Lens 4ASL7LB(S)-3PSR 735.00 Yellow LED Bulb / Yellow Lens 4ASL8LB-3PSR 495.00 Please mention the voltage required after the ordering code Momentary / Stayput White LED Bulb / White Lens 4ASL1LB(S)-3PSRL 735.00 **LED Bulb BA9S type** 4ASL3LB-3PSRL 495.00 Green LED Bulb / Green Lens 24V AC/DC. 4ASL4LB-3PSRL 495.00 Red LED Bulb / Red Lens 110VAC, 110VDC Amber LED Bulb / Amber Lens 4ASL5LB-3PSRL 495.00 230VAC, 220VDC Blue LED Bulb / Blue Lens 4ASL6LB-3PSRL 765.00 0,0,0 4ASL7LB(S)-3PSRL White LED Bulb/ Clear Lens 735.00 Yellow LED Bulb / Yellow Lens 4ASL8LB-3PSRL 495.00 Please mention the voltage required after the ordering code Momentary / Stayput White LED Bulb / White Lens 4ASL1LB(S)-3PSRR 735.00 **LED Bulb BA9S type** Green LED Bulb / Green Lens 4ASL3LB-3PSRR 495.00 24V AC/DC, Red LED Bulb / Red Lens 4ASL4LB-3PSRR 495.00 110VAC, 110VDC Amber LED Bulb / Amber Lens 4ASL5LB-3PSRR 495.00 230VAC, 220VDC Blue LED Bulb / Blue Lens 4ASL6LB-3PSRR 765.00 White LED Bulb / Clear Lens 4ASL7LB(S)-3PSRR 735.00 Yellow LED Bulb / Yellow Lens 4ASL8LB-3PSRR 495.00 Please mention the voltage required after the ordering code **LED Bulb**



	CLIP ON	<b>METAL SERIES</b>		
ILLUMINATED MUSHRO	OOM WITH LED BULB	}		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Illuminated Mushr	oom, Moment	ary	
	LED Bulb, BA9S type	Cross	44144215	400.00
10	24V AC/DC, 110VAC, 110VDC	Green Red	4ALM3LB	480.00
The state of the s	230VAC, 220VDC	Reu	4ALM4LB	480.00
	230VAC, 220VDC			
LED Bulb	Please mention the voltage re	quired after the orderi	ng code	
	Illuminated Mushro	oom, Push Pull		
	LED Bulb, BA9S type			
	24V AC/DC,	Green	4ALMPP3LB	545.00
	110VAC, 110VDC	Red	4ALMPP4LB	545.00
	230VAC, 220VDC			
LED Bulb	Please mention the voltage re	quired after the orderi	ng code	



	(	CLIP ON METAL SERIES		
PILOT LIGHTS WITH I	LED BULB			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Pilot Light			
	LED Bulb, BA9S type	White LED Bulb / White Lens	4PLB1LB(S)	470.00
W-10	24V AC/DC,	Green LED Bulb / Green Lens	4PLB3LB	245.00
ALTERNATION AND ADDRESS OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN CO	110VAC, 110VDC	Red LED Bulb / Red Lens	4PLB4LB	245.00
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	4PLB5LB	245.00
		Blue LED Bulb / Blue Lens	4PLB6LB	500.00
		White LED Bulb / Clear Lens	4PLB7LB(S)	470.00
		Yellow LED Bulb / Yellow Lens	4PLB8LB	245.00
LED Bulb	Please mention the voltage r	equired after the ordering code		



### **CLIP ON METAL SERIES CONTACT ELEMENTS** TYPE **ORDERING CODE** PRICE IN Rs. PANEL MOUNTING **NORMALLY OPEN (NO) C1** 72.50 SILVER CONTACT **NORMALLY CLOSED (NC)** C2 72.50 SILVER CONTACT **NORMALLY OPEN (NO) C3** 195.00 GOLD CONTACT **NORMALLY CLOSED (NC)** 195.00 C4 **GOLD CONTACT BASE MOUNTING** NORMALLY OPEN (NO) **C5** 72.50 SILVER CONTACT **NORMALLY CLOSED (NC) C6** 72.50 SILVER CONTACT **NORMALLY OPEN (NO) C7** 195.00 **GOLD CONTACT NORMALLY CLOSED (NC) C8** 195.00 **GOLD CONTACT**

### Common types of control and signalling devices Ø 22.5 Metallic, Clip on Series

Description	Type of Actuator or	Colour of Actuator	Contact elements NO=C1 NC=C2 or	Type of complete Control or	TIL
	Lense Assembly	or Lense	Lamp Holder	Signalling Device	47 24 24
Flush pushbutton	4AF3	Green	1NO	4PSF310	
to tokis NGC contente do Ade alle	4AF8	Yellow	2NO+1NC	4PSF821	34
Projecting pushbutton	4AP2	Black	2NC	4PSP202	
I toprotting partitional	4AP4	Red	3NO+3NC	4PSF433	-004 -004
Booted Pushbutton	4AF3+2BT7	Green+clear boot	2NO	4PSF320+2BT7	
Boolet Pasiloutoii	4AF4+2BT7	Red+clear boot	2NC	4PSF402+2BT7	24 Basi
Mushroom	4AM2	Black	1NO+1NC	4PSM211	JOHE?
Pushbutton Spring return	4AM4	Red	1NC	4PSM401	1 11-11-1-1
Mushroom	4AML2	Black	1NC	4PSML201	JUMBA
Pushbutton Latching turn to release	4AML4	Red	2NO+2NC	4PSML422	11-4-51
	AND ARTICLE STATES	1,73551	ONLY CONTROL	-10.9970000000	T Could be a
Mushroom Pushbutton Latching Key to release	4AMLKB4	Red	1NO+1NC	4PSMLKB411	10 1
Selector Pushbutton-2P	4AS2-2P	Black	1NO	4PSS210-2P	THE?
Selector Pushbutton-3P	4AS2-3P	Black	1NO+1NC	4PSS211-3P	22
Key Pushbutton (2Pos) key removable	4AK2-2PB	Black	1NO	4PSK210-2PB	
in both positions Key Pushbutton (3Pos) key removable in left & right positions	4AK2-3PB	Black	1NO+1NC	4PSK211-3PB	
Twin Pushbutton marked "IO"	Warsanessan	Flush-Green	1NO		THE F
Flush-Flush	4ATF3-F4-IO	Flush-Red	1NC	4PSTF310-F401-IO	ا البطال ( الله الله
Twin Pushbutton marked "IO"		Flush-Green	1NO		THE STE
Flush-Projecting	4ATF3-P4-IO	Projecting-Red	1NC	4PSTF310-P401-IO	
Flush illuminated pushbutton with multichip LED bulb direct connection	4ALF3LB24DC	Green	1NO+1NC	4PSLF3LB1124DC	
Twin Luminous Pushbutton					TILDO II
with "IO" marking Flush-Flush with LED bulb (230VAC)	4ATL5LB-F3 -F4230AC-IO	Lense-Amber Flush-Green Flush-Red	1NO	4PSTL5LBF310 -F401230AC-IO	
Twin Luminous Pushbutton					Flags III
with "IO" marking Flush - Projecting with LED bulb (110VAC)	4ATL5LB-F3 -P4110AC-IO	Lense-Amber Flush-Green Projecting-Red	1NO 1NC	4PSTL5LBF310 -P401110AC-IO	
Pilot Light with LED					TO LONG
bulb for 24V Bulb:24V	4PLLA5	Amber	4LHB24	4PLB5LB24	
Pilot Light with LED bulb for 230VAC Bulb: 230V	4PLLA5	Amber	4LHB230AC	4PLB5LB230AC	





#### GENERAL TERMS AND CONDITIONS

General Terms : Prices are ex-works Mumbai

HSN CODE : 85365010 for all the products of this MRP List

GST : 18%

Prices are subject to revision without notice and ruling at the time of delivery.

This price list supersedes all previous Price Lists.

Warranty Policy : TEKNIC equipment is guaranteed under the following terms:

For a period of 12 months from the date of sale, TEKNIC guarantees that its products are free from defects in material and workmanship, with the exception of consumables rendered unserviceable through normal use. During the said period, TEKNIC will replace or repair all parts acknowledged as defective due to factory workmanship and which have been returned in a timely manner by Buyer to TEKNIC and all costs and duties paid, together with a detailed description of the failure and a certified declaration of the number of hours of operation. Repaired or replaced parts will be redelivered FCA (named place) as per INCOTERMS 2000. This warranty is subject to the provision of correct usage, proper maintenance and does not cover defects arising out of fire, faulty operation, accident, inefficient maintenance and willful or accidental damage.

TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

### **TEKNIC ELECTRIC (I) PVT. LTD.**

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel : +91-22-42532500

Works: 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel: +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in



*LR* 33

Control and Signaling Devices Ø 22.5 Clip on Plastic Series MRP with effect from 10.07.2022



### Control and signaling devices Ø 22.5 P4 Clip on series

#### Salient features

This range of Ø 22.5 P4 Clip on series pushbuttons, selector switches, illuminated switches and pilot lights in engineering plastic construction have been designed to provide the following salient features:

- Economy of space
- · Aesthetically elegant
- · Robust in materials of construction

- . Simple to fix-Snap fitting
- · Safe in operation
- Fixing method unaffected by excessive vibration unit does not rotate

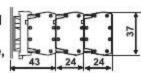
- · Very good flame resistance
- Resistant to corrosion
- Shrouded terminals
- · Protection against electrical shock

#### Actuators

The circular actuators have black plastic bezels, and are functionally interchangeable on the different types of contact elements.

#### Contact elements

The contact elements are double break. The elements are interchangeable & can be stacked without additional hardware. 1 to 6 elements (NO or NC) can be used with non illuminated actuators, whereas, 1 to 4 elements (NO or NC) can be used for illuminated actuators. Gold plated NO and NC contact elements for low voltage, low current switching circuits, < 25 mA, are available. Base mounting elements are also available.



### ■luminated pushbuttons & pilot lights

Pilot lights and illuminated switches are suitable for direct connection using bayonet cap multi chip LED bulb (with OAL max 28 mm). Supply voltage using Multichip Led Bulb ......: 12V-230 VAC / DC

Pilot lights and illuminated actuators are available with LED bulbs suitable for operating at various voltages namely 12V, 24V, 110V and 230V AC/DC.

#### Terminals

Contact elements and pilot lights are designed to have shrouded terminals with combi screws.

#### Fixing

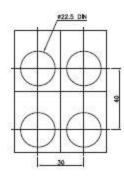
The Ø 22.5 P4 Clip on series control devices can be fixed in any position on panels of 1 to 5 mm thickness.

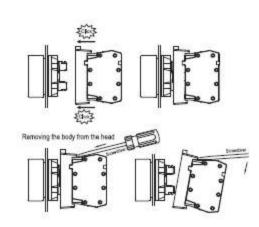
1 to 5 mm thickness.

We recommend minimum fixing centres of 30mm X 40mm. However, the dimensions and configuration should be decided on the basis of the application.

The actuators, and the lense assemblies snap fit on the holding bracket.

Details of the assembly shown in diagram,





### Electrical and mechanical characteristics

#### Environment

Standards conformity : UL 508, EN 60947-5-1

Approvals : UL 508

Degree of protection : IP 65 as per IEC 60529, NEMA 4X, 12 as per UL 50

Ambient : -25°C to +70°C
Operating position : All positions

Pollution Degree : 3

Contact Block

Rated insulation voltage : 500 V Rated thermal current : 10 A

Contact operation : Slow break NO or NC

Make and break capacity

Terminal capacity : Maximum 2 x 1.5 mm² or 1 x 2.5 mm² .Minimum 1 x 0.5 mm²

Terminal marking 1 - 2 for NC & 3 - 4 for NO

Short circuit protection : 10 A HRC cartridge fuse, rated for resistive loading at 1000 A Prospective Current

Mechanical life : Over 1 million operations

Electrical rating

(for 1 million operating cycles, operating at 3600 cycles per hour, AC 15 V 24 120 230 DC 13 V 24 110 A 0.5 0.2

load factor 0.5)

Screw clamp tightening torque : 0.8 Nm (Nominal recommended)

### Modules for pilot light & illuminated switches with LED bulb (BA9S cap)

Current consumptions (applicable to all colours)

24 V AC/DC, 110 VAC & 240 VAC : max. 20 mA

Terminal capacity : Maximum 2 x 1.5 mm² or 1 x 2.5 mm². Minimum 1 x 0.5 mm²

Service life (at nominal voltage and at ambient temperature at 25°C) 50

50,000 hours



### Control & Signalling Devices 22.5 Ø

#### **CLIP ON PLASTIC SERIES MOMENTARY ACTUATORS TYPE COLOUR ORDERING CODE** PRICE IN Rs. 62.00 White P4AF1 Black P4AF2 62.00 Flush Green P4AF3 62.00 Red P4AF4 62.00 Blue P4AF6 62.00 Yellow P4AF8 62.00 Flush with White P4AF1BA 90.00 Arrow marking **Black** P4AF2WA 90.00 White 62.00 P4AP1 **Black** P4AP4 62.00 P4AP3 62.00 Green **Projecting** Red P4AP4 62.00 Blue P4AP6 62.00 Yellow P4AP8 62.00 85.00 White P4AF1RR Black P4AF2RR 85.00 85.00 Flush Relay Green P4AF3RR **Reset Actuators** Red P4AF4RR 85.00 Blue 85.00 P4AF6RR Yellow P4AF8RR 85.00 White 135.00 P4AF12BT7 Black P4AF22BT7 135.00 P4AF32BT7 Green 135.00 **Booted** Red P4AF42BT7 135.00 Blue 135.00 P4AF62BT7 Yellow P4AF82BT7 135.00



# CLIP ON PLASTIC SERIES

	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	Latching	Black	P4AMLS2	145.00
	Ø 30mm	Red	P4AMLS4	145.00
		Black	P4AM2	105.00
	Momentary	Green	P4AM3	105.00
	Ø 40mm	Red	P4AM4	105.00
A	-	Blue	P4AM6	105.00
		Yellow	P4AM8	105.00
	Push Pull	Black	P4AMPP4	145.00
A. S. Car	Ø 40 mm	Red	P4AMPP4	145.00
	Latching	Black	P4AML2	145.00
	Ø 40mm	Red	P4AML4	145.00
0				
	Latching	Black	P4AMLKB2	285.00
	with Key	Red	P4AMLKB4	285.00
	Ø 40mm			



# CLIP ON PLASTIC SERIES

	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	Trigger type	Black	P4AMLT2	215.00
	Press to Lock	Red	P4AMLT4	215.00
	turn to release			
	Ø 40 mm			
•				
-	Trigger type	Black	P4AMLTKB2	350.00
	Press to Lock	Red	P4AMLTKB4	350.00
	key to release			
	Ø 40 mm			
		Black	P4AMJ2	145.00
	Momentary	Green	P4AMJ3	145.00
	Ø 60mm	Red	P4AMJ4	145.00
		Blue	P4AMJ6	145.00
		Yellow	P4AMJ8	145.00
0				
The same of the sa	Push Pull	Black	P4AMPPJ2	185.00
1	Ø 60 mm	Red	P4AMPPJ4	185.00
	Latching	Black	P4AMLJ2	185.00
	Ø 60mm	Red	P4AMLJ4	185.00



#### **CLIP ON PLASTIC SERIES SELECTOR ACTUATORS TYPE COLOUR ORDERING CODE** PRICE IN Rs. Selector P4AS2-2P 196.00 2 position Black LATCHING with ext. knob P4AS2E-2P 196.00 P4AS2-2PSR 196.00 2 position Black MOMENTARY with ext. knob P4AS2E-2PSR 196.00 Black P4AS2-3P 196.00 3 position STAY PUT with ext. knob P4AS2E-3P 196.00 MOMENTARY Black P4AS2-3PSR 215.00 on both sides P4AS2E-3PSR 215.00 with ext. knob 215.00 MOMENTARY Black P4AS2-3PSRR on right with ext. knob P4AS2E-3PSRR 215.00 215.00 **MOMENTARY** Black P4AS2-3PSRL on left with ext. knob P4AS2E-3PSRL 215.00



### **CLIP ON PLASTIC SERIES KEY SELECTOR ACTUATORS TYPE COLOUR ORDERING CODE** PRICE IN Rs. P4AK2-2PB 275.00 2 Position Black P4AK2-2PO 275.00 Stayput P4AK2-2PI 275.00 Spring Return Black P4AK2-2POSR 275.00 Black P4AK2-3PA 290.00 3 Position Black P4AK2-3PB 290.00 Stayput Black P4AK2-3PC 290.00 Spring Return Black P4AK2-3PSR 290.00 Right to Centre Black 290.00 P4AK2-3PSRR Left to Centre Black P4AK2-3PSRL 290.00 * X stands for position in which key is removable



### **CLIP ON PLASTIC SERIES** TWIN ACTUATORS **TYPE COLOUR ORDERING CODE** PRICE IN Rs. **Double Flush** Green 130.00 P4ATF3F4 w/o IO Mark Red **Double Flush** Green P4ATF3F4(IO) 130.00 with IO Mark Red 1 Flush, Green 1 Projecting P4ATF3P4 130.00 Red w/o IO Mark 1 Flush, Green 1 Projecting P4ATF3P4(IO) 130.00 Red with IO Mark



# Control & Signalling Devices 22.5 Ø

	MENTARY ACTUATORS W	1	1	DDICE IN S		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULE		
	Illuminated Flush, N	Momentary				
	LED Bulb, BA9S type	White LED Bulb / White Lens	P4ALF1LB(S)	460.00		
	24V AC/DC,	Green LED Bulb / Green Lens	P4ALF3LB	245.00		
The same	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ALF4LB	245.00		
140	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ALF5LB	245.00		
		Blue LED Bulb / Blue Lens	P4ALF6LB	485.00		
		White LED Bulb/ Clear Lens	P4ALF7LB(S)	460.00		
		Yellow LED Bulb / Yellow Lens	P4ALF8LB	245.00		
LED Bulb	Please mention the voltage required after the ordering code					
	Illuminated Projecting, Momentary					
		White LED Bulb / White Lens	P4ALP1LB(S)	460.00		
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	P4ALP3LB	245.00		
	24V AC/DC,	Red LED Bulb / Red Lens	P4ALP4LB	245.00		
-	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ALP5LB	245.00		
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ALP6LB	485.00		
1		White LED Bulb/ Clear Lens	P4ALP7LB(S)	460.00		
		Yellow LED Bulb / Yellow Lens	P4ALP8LB	245.00		



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 22.5 Ø

	C	LIP ON PLASTIC SERIES				
LLUMINATED SELEC	CTOR ACTUATOR WITH	LED BULB				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB		
	2 Position illumina	nted selector actuator				
	LED Bulb BA9S type	White LED Bulb / White Lens	P4ASL1LB(S)-2P	625.00		
	24V AC/DC,	Green LED Bulb / Green Lens	P4ASL3LB-2P	395.00		
	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ASL4LB-2P	395.00		
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-2P	395.00		
		Blue LED Bulb / Blue Lens	P4ASL6LB-2P	655.00		
	0, 0	White LED Bulb / Clear Lens	P4ASL7LB(S)-2P	625.00		
		Yellow LED Bulb / Yellow Lens	P4ASL8LB-2P	395.00		
	Please mention the voltage required after the ordering code					
	LED Bulb BA9S type	White LED Bulb / White Lens	P4ASL1LB(S)-2PSR	625.00		
	24V AC/DC,	Green LED Bulb / Green Lens	P4ASL3LB-2PSR	395.00		
	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ASL4LB-2PSR	395.00		
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-2PSR	395.00		
	0 0	Blue LED Bulb / Blue Lens	P4ASL6LB-2PSR	655.00		
	l de la composition della comp	White LED Bulb / Clear Lens	P4ASL7LB(S)-2PSR	625.00		
	•	Yellow LED Bulb / Yellow Lens	P4ASL8LB-2PSR	395.00		
LED D. III	Diagon manualism also control	wanting of the who and since and a				
LED Bulb	Please mention the voltage	ge required after the ordering code				



# Control & Signalling Devices 22.5 Ø

I TYPE I COLOUR I ORDERING CODE I			LIP ON PLASTIC SERIES	<u>-</u>	
A	LUMINATED SELEC				
Stayput   White LED Bulb / White Lens		ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
LED Bulb BA9S type   Green LED Bulb / Green Lens   P4ASL3LB-3P   420.00		3 Position Illumina	ated Selector Actuator	-	
LED Bulb BA95 type					
24V AC/DC,   Red LED Bulb / Red Lens		Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3P	645.00
110VAC, 110VDC			Green LED Bulb / Green Lens	P4ASL3LB-3P	420.00
A		24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3P	420.00
White LED Bulb / Yellow Lens		110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3P	420.00
Vellow LED Bulb / Yellow Lens		230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3P	670.00
Pelase mention the voltage required after the ordering code		αορ	White LED Bulb/ Clear Lens	P4ASL7LB(S)-3P	645.00
Momentary		V	Yellow LED Bulb / Yellow Lens		420.00
LED Bulb BA9S type   Green LED Bulb / Green Lens   P4ASL3LB-3PSR   425.00   24∨ AC/DC,   Red LED Bulb / Red Lens   P4ASL4LB-3PSR   425.00   110∨AC, 110∨DC   Amber LED Bulb / Amber Lens   P4ASL5LB-3PSR   425.00   230∨AC, 220∨DC   Blue LED Bulb / Blue Lens   P4ASL5LB-3PSR   680.00   White LED Bulb / Clear Lens   P4ASL7LB(S)-3PSR   655.00   Yellow LED Bulb / Yellow Lens   P4ASL8LB-3PSR   425.00    Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRL   425.00   24∨ AC/DC,   Red LED Bulb / Red Lens   P4ASL3LB-3PSRL   425.00   230∨AC, 220∨DC   Blue LED Bulb / Amber Lens   P4ASL3LB-3PSRL   425.00   230∨AC, 220∨DC   Blue LED Bulb / Blue Lens   P4ASL3LB-3PSRL   680.00   White LED Bulb / Yellow Lens   P4ASL3LB-3PSRL   655.00   Yellow LED Bulb / Yellow Lens   P4ASL3LB-3PSRL   625.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / White Lens   P4ASL3LB-3PSRR   655.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / White Lens   P4ASL3LB-3PSRR   655.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   655.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   425.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   425.00   PASL3LB-3PSRR   425.00   P4ASL3LB-3PSRR   425.00   P4ASL3LB-3P		Please mention the voltag	e required after the ordering code		
LED Bulb BA9S type   Green LED Bulb / Green Lens   P4ASL3LB-3PSR   425.00   24∨ AC/DC,   Red LED Bulb / Red Lens   P4ASL4LB-3PSR   425.00   110∨AC, 110∨DC   Amber LED Bulb / Amber Lens   P4ASL5LB-3PSR   425.00   230∨AC, 220∨DC   Blue LED Bulb / Blue Lens   P4ASL5LB-3PSR   680.00   White LED Bulb / Clear Lens   P4ASL7LB(S)-3PSR   655.00   Yellow LED Bulb / Yellow Lens   P4ASL8LB-3PSR   425.00    Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRL   425.00   24∨ AC/DC,   Red LED Bulb / Red Lens   P4ASL3LB-3PSRL   425.00   230∨AC, 220∨DC   Blue LED Bulb / Amber Lens   P4ASL3LB-3PSRL   425.00   230∨AC, 220∨DC   Blue LED Bulb / Blue Lens   P4ASL3LB-3PSRL   425.00   White LED Bulb / Yellow Lens   P4ASL3LB-3PSRL   680.00   Yellow LED Bulb / Yellow Lens   P4ASL3LB-3PSRL   425.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / White Lens   P4ASL3LB-3PSRL   425.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / White Lens   P4ASL3LB-3PSRR   655.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   655.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   425.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   425.00   Please mention the voltage required after the ordering code    Momentary / Stayput   White LED Bulb / Green Lens   P4ASL3LB-3PSRR   425.00		Managadan	Mile to LED Dolle / Mile to Long	D44C(41D/C) 2DCD	CEE 00
24V AC/DC,   Red LED Bulb / Red Lens   P4ASL4LB-3PSR   425.00	Charles and the	•	· · · · · · · · · · · · · · · · · · ·	` '	
110VAC, 110VDC	of the latest state of		· ·	<del> </del>	
230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSR 680.00  White LED Bulb / Clear Lens P4ASL7LB(S)-3PSR 655.00  Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSR 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL1LB(S)-3PSRL 655.00  LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRL 425.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRL 425.00  110VAC, 110VDC Amber LED Bulb / Blue Lens P4ASL5LB-3PSRL 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRL 680.00  White LED Bulb / Clear Lens P4ASL8LB-3PSRL 655.00  Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSRL 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRR 655.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / Green Lens P4ASL3LB-3PSRR 655.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRR 425.00  110VAC, 110VDC Amber LED Bulb / Red Lens P4ASL4LB-3PSRR 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL5LB-3PSRR 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  Q Q Q White LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  Q Q Q White LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00	Victoria Sector				
White LED Bulb / Clear Lens P4ASL7LB(S)-3PSR 655.00 Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSR 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRL 655.00 LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRL 425.00 24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRL 425.00 110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRL 680.00 Q White LED Bulb / Blue Lens P4ASL5LB-3PSRL 655.00 Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSRL 655.00 Yellow LED Bulb / Yellow Lens P4ASL3LB-3PSRL 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRR 655.00 Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRR 425.00 24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRR 425.00 110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00 24V AC/DC, Red LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00 230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL5LB-3PSRR 680.00 Q Q Q White LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00 Q Q White LED Bulb / Clear Lens P4ASL6LB-3PSRR 680.00 Q Q White LED Bulb / Clear Lens P4ASL6LB-3PSRR 655.00	世帯に	· ·	· · · · · · · · · · · · · · · · · · ·		
Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRL 655.00  LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRL 425.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRL 425.00  110VAC, 110VDC Amber LED Bulb / Blue Lens P4ASL5LB-3PSRL 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRL 680.00  White LED Bulb / Yellow Lens P4ASL3LB-3PSRL 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRR 655.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL3LB-3PSRR 655.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL3LB-3PSRR 425.00  110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00  230VAC, 220VDC Blue LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  Q Q Q White LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  Q Q Q White LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  Q Q Q White LED Bulb / Clear Lens P4ASL6LB-3PSRR 680.00	The second second	· ·	· ·		
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LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRL 425.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRL 425.00  110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRL 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRL 680.00  White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRL 655.00  Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSRL 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL1LB(S)-3PSRR 655.00  LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRR 425.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRR 425.00  110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  Q Q Q White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRR 655.00		Please mention the voltag	e required after the ordering code		
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24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRL 425.00 110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRL 425.00 230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRL 680.00 White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRL 655.00 Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSRL 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL1LB(S)-3PSRR 655.00 LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRR 425.00 24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRR 425.00 110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00 230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL5LB-3PSRR 680.00 Q Q White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRR 655.00				` '	
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230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRL 680.00  White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRL 655.00  Yellow LED Bulb / Yellow Lens P4ASL8LB-3PSRL 425.00  Please mention the voltage required after the ordering code  Momentary / Stayput White LED Bulb / White Lens P4ASL1LB(S)-3PSRR 655.00  LED Bulb BA9S type Green LED Bulb / Green Lens P4ASL3LB-3PSRR 425.00  24V AC/DC, Red LED Bulb / Red Lens P4ASL4LB-3PSRR 425.00  110VAC, 110VDC Amber LED Bulb / Amber Lens P4ASL5LB-3PSRR 425.00  230VAC, 220VDC Blue LED Bulb / Blue Lens P4ASL6LB-3PSRR 680.00  White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRR 655.00			· ·		
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24V AC/DC,         Red LED Bulb / Red Lens         P4ASL4LB-3PSRR         425.00           110VAC, 110VDC         Amber LED Bulb / Amber Lens         P4ASL5LB-3PSRR         425.00           230VAC, 220VDC         Blue LED Bulb / Blue Lens         P4ASL6LB-3PSRR         680.00           QQQ         White LED Bulb / Clear Lens         P4ASL7LB(S)-3PSRR         655.00		Momentary / Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3PSRR	
110VAC, 110VDC         Amber LED Bulb / Amber Lens         P4ASL5LB-3PSRR         425.00           230VAC, 220VDC         Blue LED Bulb / Blue Lens         P4ASL6LB-3PSRR         680.00           QQQ         White LED Bulb / Clear Lens         P4ASL7LB(S)-3PSRR         655.00		LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSRR	425.00
230VAC, 220VDC         Blue LED Bulb / Blue Lens         P4ASL6LB-3PSRR         680.00           Q         Q         White LED Bulb / Clear Lens         P4ASL7LB(S)-3PSRR         655.00		24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSRR	425.00
Q Q Q White LED Bulb / Clear Lens P4ASL7LB(S)-3PSRR 655.00		110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSRR	425.00
\ 107		230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSRR	680.00
		0,000	White LED Bulb / Clear Lens	P4ASL7LB(S)-3PSRR	655.00
		W.	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSRR	425.00
LED Bulb Please mention the voltage required after the ordering code	LED D.Jb	Places montion the valter	a required after the ardering code		



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 22.5 Ø

	CLIP	ON PLASTIC SERIES			
TWIN ILLUMINATED	ACTUATORS WITH LED				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB	
	Twin Illuminated 1 Flu	sh, 1 Projecting, (IO) Mar	·k		
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber Lens / Amber LED	P4ATL5LBF3P4 (IO)	330.00	
	Please mention the voltage required after the ordering code				
Terre	Twin Illuminated Double Flush, (IO) Mark				
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green Red Amber Lens / Amber LED	P4ATL5LBF3F4 (IO)	330.00	
LED Bulb	Please mention the voltage req	uired after the ordering code			



# Control & Signalling Devices 22.5 Ø

	CLIP ON	PLASTIC SERIES	5		
MUSHROOM ILLUMII	NATED ACTUATORS, LA	ATCHING, WITH	LED BULB		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB	
	Mushroom Illumina Lock - Turn to relea		Trigger Type, Pres	s to	
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	P4ALMLT4LB	605.00	
LED Bulb	Please mention the voltage	required after the o	ordering code		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB	
	Mushroom Illuminated Actuator, Trigger Type, Push to Lock - Pull to release				
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	P4ALMPPT4LB	605.00	
LED Bulb	Please mention the voltage	required after the o	ordering code		



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 22.5 Ø

	Cl	LIP ON PLASTIC SERIES		
PILOT LIGHTS				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Pilot Light with LEC	Bulb		
	LED Bulb, BA9S type 24V AC/DC, 110VAC,	White LED Bulb / White Lens	P4PLB1LB(S)	425.00
		Green LED Bulb / Green Lens	P4PLB3LB	215.00
		Red LED Bulb / Red Lens	P4PLB4LB	215.00
		Amber LED Bulb / Amber Lens	P4PLB5LB	215.00
	110VDC, 230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4PLB6LB	450.00
	220VDC	White LED Bulb / Clear Lens	P4PLB7LB(S)	425.00
		Yellow LED Bulb / Yellow Lens	P4PLB8LB	215.00
LED Bulb	Please mention the voltag	e required after the ordering code		



## MRP w.e.f. 10.07.2023 Control & Signalling Devices 22.5 Ø

	CLIP ON PLASTIC SER		
CONTACT ELEMENTS	5		
	ТҮРЕ	ORDERING CODE	PRICE IN Rs.
	PANEL MOUNTING		
	NORMALLY OPEN (NO) SILVER CONTACT	C1	72.50
Communication of the communica	NORMALLY CLOSED (NC) SILVER CONTACT	C2	72.50
	NORMALLY OPEN (NO) GOLD CONTACT	С3	195.00
er reports	NORMALLY CLOSED (NC) GOLD CONTACT	C4	195.00
	BASE MOUNTING		
	NORMALLY OPEN (NO) SILVER CONTACT	C5	72.50
	NORMALLY CLOSED (NC) SILVER CONTACT	C6	72.50
	NORMALLY OPEN (NO) GOLD CONTACT	С7	195.00
	NORMALLY CLOSED (NC) GOLD CONTACT	c8	195.00

## Common types of control and signalling devices Ø 22.5 P4 Clip on series

Description	Type of Actuator or Lense Assembly	Actuator I	Contact Elements NO = C1 NC = C2 or Lamp Holder	Type of complete Control or Signalling Device	43 24 24
Flush Pushbutton	P4AF3 P4AF8	Green Yellow	1NO 2NO+1NC	P4PSF310 P4PSF821	Ø 28
Projecting Pushbutton	P4AP2 P4AP4	Black Red	2NC 3NO+3NC	P4PSP202 P4PSP433	87 220
Booted Pushbutton		Green + clear boo	ot 2NO 2NC	P4PSF320+2BT7 P4PSF402+2BT7	E 12
Mushroom Pushbutton Spring return	P4AM2 P4AM4	Black Red	1NO+1NC 1NC	P4PSM211 P4PSM401	9 32
Mushroom Pushbutton latching turn to release	P4AML2 P4AML4	Black Red	1NC 2NO+2NC	P4PSML201 P4PSML422	9 32
Mushroom Pushbutton latching, key to release	P4AMLKB4	Red	1NO+1NC	P4PSMLKB411	24, 32
Selector Actuator (2 Pos) Selector Actuator (3 Pos)	P4AS2-2P P4AS2-3P	Black Black	1NO 1NO+1NC	P4PSS210-2P P4PSS211-3P	27
Key Actuator (2 Pos), key removable in both positions Key Actuator (3 Pos), key removable in left & right positions	P4ANZ-ZPB		1NO 1NO+1NC	P4PSK210-2PB P4PSK211-3PB	24 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Twin Pushbutton marked "I O" Flush - Flush	P4ATF2-F4-IO	Flush-Gree ) Flush-Red	n 1 NO 1 NC	P4PSTF310-F401-I0	1125
Flush Illuminated Pushbutton with multichip LED bulb, direct connection	P4ALF3LB24E	DC Green	1NO+1NC	P4PSLF3LB1124	
Twin Luminous Pushbutton Without "I O"making Flush - Flush with LED Bulb (240V AC)	P4ATL5LB-F3 -F4230AC	Lense-Amb Flush-Gree Flush-Red		P4PSTL5LBF310-F401230A	C 111 25 30
Pilot Light with LED bulb for 230V AC Bulb: 230V	P4PLLA5	Amber	4LHLB230	P4PLB5LB230	88 14 37





#### GENERAL TERMS AND CONDITIONS

General Terms : Prices are ex-works Mumbai

HSN CODE : 85365010 for all the products of this MRP List

GST : 18%

Prices are subject to revision without notice and ruling at the time of delivery.

This price list supersedes all previous Price Lists.

Warranty Policy: TEKNIC equipment is guaranteed under the following terms:

For a period of 12 months from the date of sale, TEKNIC guarantees that its products are free from defects in material and workmanship, with the exception of consumables rendered unserviceable through normal use. During the said period, TEKNIC will replace or repair all parts acknowledged as defective due to factory workmanship and which have been returned in a timely manner by Buyer to TEKNIC and all costs and duties paid, together with a detailed description of the failure and a certified declaration of the number of hours of operation. Repaired or replaced parts will be redelivered FCA (named place) as per INCOTERMS 2000. This warranty is subject to the provision of correct usage, proper maintenance and does not cover defects arising out of fire, faulty operation, accident, inefficient maintenance and willful or accidental damage.

TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

#### **TEKNIC ELECTRIC (I) PVT. LTD.**

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel: +91-22-42532500

Works: 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel: +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in



# *UR* ∋)

# Control and Signaling Devices Ø 30.5 Series

MRP with effect from 10.07.2023















#### **SALIENT FEATURES**

The Ø30.5 range of pushbuttons, selector actuators, pilot lights and illuminated pushbuttons have been designed to provide the following salient features:

- · Aesthetically elegant
- Easy and rapid mounting
- Dust, moisture and oil tight
- Robust in material of construction
- SELF WIPING CONTACTS
- Safe in operation
- Long mechanical and electrical life

The control devices are designed for flush mounting on control panels, desks and machines with plate thickness upto 6mm. Their dust, moisture and oil tight construction make them specially suitable for application in power plants, steel plants, cement plants, coal handling plants, foundries machine tools etc. Booted pushbuttons are used in very dusty atmospheres.

The pushbuttons comprises of the actuators and contact element. The actuator is designed to contain a full umbrella type of special rubber diaphragm inside the actuator housing in order to provide dust, moisture and oil tight onstruction. The different types of actuators include shrouded, unshrouded booted, mushroom spring return or stayput, mushroom jumbo, selector, key, luminous. Different versions including dust proofing version are described in detail in TEKNIC price list.

The contact element comprises of a contact housing, fixed and moving silver tipped contacts, a slider ans a transparent cover through which the contacts can be inspected in operation. Contacts are double break are **self wiping** which ensures long life. Each contact element provides 1NO and 1NC contact. Each unit can take upto 4 contact elements. Separate contact elements can be used on different phases or polarities.

The pilot lights and illuminated pushbuttons are suitable for direct supply or supply through series resistor, using bayonet cap filament bulb.

The pilot light can also be provided with neon bulbs. Replacement of the bulb is easily done by unscrewing the front ring, holding the lense. Pilot lights can be provided with either glass or polycarbonate lenses in the following standard colours

TRANSLUCENT WHITE

GREEN

RED

AMBER

BLUE

CLEAR

Supply voltage for direct connection or without series resistor: 6V-230V Supply voltage for direct connection with series resistor : 24V-230V Pilot lights can also be supplied with neon bulbs upto a voltage of 500V

#### **FIXING**

The control devices Ø30.5 can be fixed in any position on panel of 1 to 6mm thickness. They are secured from the front by means of a fixing ring. A set of rubber gaskets is supplied to provide water proofing and tightness between the unit and the panel. The exact number of rubber gaskets is to be selected depending upon the panel thickness. Fixing centres of 60mm are recommended between control stations to provide sufficient space for convenient terminal connections and assembly of legend plates.

The pushbutton can be either be mounted as complete unit on the front of the panel or the contact can be individually mounted with the actuator on the panel front plate. Also the pilot light can either be mounted as a complete unit on the front of the panel or the pilot light holder can be individually mounted with the lense on the front of the panel.

#### **ELECTRICAL AND MECHANICAL CHARACTERISTICS**

Rated insulation voltage : 500V AC, 600V DC

Rated thermal current : 10A

Contact operation : Self wiping, slow double break, 1 NO + 1 NC

Make and break capacity (13947-5-1) : AC15: 4A 415V

: DC13: 0.5A 110V : Maximum 2x1.5mm² : Minimum 1X0.5mm²

Ambient temperature : -25°C to +70°C
Altitude : < 3000 metres
Operating position : All positions

Degree of protection : IP 65

Mechanical life : Over 1 million operations

#### **ORDERING INSTRUCTIONS**

Terminal capacity

- 1. Actutors, illuminated actuators, contact elements, pilot lights can be ordered separately or in combination.
- 2. No prefix before all actuators and combinations indicates Ø30.5 series
- 3. Numerical colour code has been added as suffix to indicate colour of the actuator or lense as follows:

Colour of Actuator: White Black Green Red Yellow Blue Colour of Lense: Translucent white Green Red Amber Blue Clear Colour code: 1 2 3 4 5 6 7

4. The type number of contact elements are S11, S12, S21, S22. All these have 1NO+1NC contacts. S11 is for mounting directly to actuator and S12 for coupling to S11 for obtaining 2NO+2NC. S21 is for individual mounting and S22 is for coupling for S21 for 2NO+2NC

#### **BULBS**

Filament Bulbs type BA15d

Voltage: 6 12 24 48 110 220 Wattage (max) 5-7 5-7 5-7 5-7 5-7

#### **LEGEND PLATES**

Legend plates are supplied with the following standards texts

**AUTO RESET** START **FORWARD** UP ON OPEN **SLOW STOP** REVERSE **DOWN OFF CLOSE HAND FAST INCH** 

#### **TYPE NUMBERS**

Some examples of type number

Actuator Type AF3 means type actuator Ø30.5 GREEN
Pilot Light Type PLB4 means pilot light without resistor RED

Type PLBR3 means pilot light with series resistor GREEN

Complete Pushbutton Type PSF411 means flush type pushbutton RED with 1NO+1NC

1NO+1NC Element (S11)
Colour of Actuator Red
Ø30.5 Flush type pushbutton



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 30.5 Ø

	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
		White	AF1	135.00
		Black	AF2	135.00
	Flush Momentary	Green	AF3	135.00
		Red	AF4	135.00
		Blue	AF6	135.00
		Yellow	AF8	135.00
		White	AP1	135.00
		Black	AP2	135.00
Canada .	Projecting Momentary	Green	AP3	135.00
		Red	AP4	135.00
		Blue	AP6	135.00
		Yellow	AP8	135.00
		Black	AB2	240.00
		Green	AB3	240.00
	<b>Booted Momentary</b>	Red	AB4	240.00
	- coss moments,	Blue	AB6	240.00
		Yellow	AB8	240.00
4	Mushroom Momentary	Black	AM2	150.00
	Head Ø 40mm	Red	AM4	150.00
	Jumbo Mushroom	Black	AMJ2	240.00
	Momentary	Red	AMJ4	240.00
	Head Ø 60mm		<del>                                     </del>	



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 30.5 Ø

	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	MUSHROOM HEAD	O ACTUATOR		
	Mushroom	Black	AML2	220.00
Carrier S.	Latching	Red	AML4	220.00
	Head Ø 40mm			
	Jumbo Mushroom	Black	AMLJ2	310.00
Carried S	Latching	Red	AMLJ4	310.00
	Head Ø 60mm			
-	Key Mushroom			
	Latching	Red	AMLKB4	425.00
	Head Ø 40mm			
	SELECTED ACTUAT			
	SELECTOR ACTUAT	OR	<del> </del>	
	2 Position		+	
	STAY PUT	Black	AS2-2P	275.00
	Q. O	Black	A32-2F	273.00
	2 Position			
2	MOMENTARY	Black	AS2-2PSR	275.00
	O	DidCK	A32-2F3N	273.00
	2 Decition			
	3 Position STAY PUT	Black	AS2-3P	275.00
	SIMITUI	DIACK	A32-3F	2/3.00



# Control & Signalling Devices 30.5 Ø

NON ILLUMINATED	ACTUATOR				
	ТҮРЕ	COLOUR	COLOUR	ORDERING CODE	PRICE IN Rs.
	KEY SELECTOR				
		ď		AK-2PB	410.00
	2 Position Stayput	مرة		AK-2PO	410.00
2		Q_ŏ	Black	AK-2PI	410.00
	Spring Return	ă,,o		AK-2POSR	410.00
		àààà		AK-3PA	430.00
		ŏ ŷ ŏ		AK-3PB	430.00
	3 Position Stayput	مهم	Black	AK-3PO	430.00
		<b>%</b>		AK-3PI	430.00
		* X stands for p	osition in which	key is removable	



## MRP w.e.f. 10.07.2023 Control & Signalling Devices 30.5 Ø

				PRICE IN Rs.	PRICE IN Rs.
	ТҮРЕ	COLOUR	ORDERING CODE	INTEGRAL LED	WITH LED BULB
	Illuminated Flush Act	tuator, Spring Return			
19.45	LED Bulb, MCB15 type	White LED Bulb / White Lens	ALF1LB(S)		630.00
A STATE OF THE PARTY OF THE PAR	24V AC/DC,	Green LED Bulb / Green Lens	ALF3LB		365.00
	110VAC, 110VDC	Red LED Bulb / Red Lens	ALF4LB		365.00
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	ALF5LB		365.00
		Blue LED Bulb / Blue Lens	ALF6LB		660.00
		White LED Bulb/ Clear Lens	ALF7LB(S)		630.00
		Yellow LED Bulb / Yellow Lens	ALF8LB		365.00
LED Bulb	Please mention the voltage requ	ired after the ordering code			
	PILOT LIGHT	<u> </u>			
	Integral LED	White LED / White Lens	PLBR1L(S)	430.00	
	6V, 12V, 24V, 48V AC/DC	Green LED / Green Lens	PLBR3L	290.00	
	110VAC, 110VDC,	Red LED / Red Lens	PLBR4L	290.00	
	230VAC, 220VDC	Amber LED / Amber Lens	PLBR5L	290.00	
		Blue LED / Blue Lens	PLBR6L	575.00	
		White LED / Clear Lens	PLBR7L(S)	430.00	
		Yellow LED / Yellow Lens	PLBR8L	290.00	
Integral LED	Please mention the voltage requ	ired after the ordering code			
		White LED Bulb / White Lens	PLB1LB(S)		560.00
	LED Bulb, MCB15 type	Green LED Bulb / Green Lens	PLB3LB		310.00
A	24V AC/DC,	Red LED Bulb / Red Lens	PLB4LB		310.00
Barrie W	110VAC, 110VDC	Amber LED Bulb / Amber Lens	PLB5LB		310.00
-	230VAC, 220VDC	Blue LED Bulb / Blue Lens	PLB6LB		590.00
		White LED Bulb/ Clear Lens	PLB7LB(S)		560.00
		Yellow LED Bulb / Yellow Lens	PLB8LB		310.00



# MRP w.e.f. 10.07.2023 Control & Signalling Devices 30.5 Ø

CONTACT ELEMENTS					
	ТҮРЕ	ORDERING CODE	PRICE IN Rs.		
511 512	ACTUATOR MOUN	TING			
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1NO+1NC	S11	250.00		
511 - 512	1NO+1NC coupled to S11 to provide 2NO+2NC	S12	250.00		
	BASE MOUNTING				
521 522 -					
	1NO+1NC	S21	250.00		
100					
521 + 522	1NO+1NC coupled to S21 to provide 2NO+2NC	S22	250.00		

# Control and signalling devices Ø30.5

Description	Type of Actuator	Type of Actuator or Lense	Colour of Element S11 (1NO + 1NC)	Type of Complete Control Device	
Flush Pushbutton	AF3	Green	1NO + 1NC	PSF311	
	AF8	Yellow	2NO + 2NC	PSF822	1 60   11.5
Projecting Pushbutton	AP2	Black	1NO + 1NC	PSP211	<u> </u>
	AP4	Red	3NO + 3NC	PSP433	
Booted Pushbutton	AB3	Green	1NO + 1NC	PSB311	
	AB4	Red	2NO + 2NC	PSB422	19
Mushroom Pushbutton (Spring return)	AM2	Black	1NO + 1NC	PSM211	£ 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Mushroom Jumbo Pushbutton (Spring return)	AMJ4	Red	4NO + 4NC	PSMJ444	
Mushroom Pushbutton Latching. Turn to	AML2	Black	1NO + 1NC	PSML211	▗██ ▄▄▄▄ ▄
Release.	AML4	Red	2NO + 2NC	PSML422	
Mushroom Pushbutton Latching. Key to Release.	AMLKB4	Red	1NO + 1NC	PSMLKB411	
Selector Actuator (2 Pos.)	AS2-2P	Black	1NO + 1NC	PSS211-2P	
Selector Actuator (3 Pos.)	AS2-3P	Black	2NO + 2NC	PSS222-3P	
Key Actuator (2 Pos.)	AK2-2P		1NO + 1NC	PSK211-2P	
Key Actuator (3 Pos.)	AK2-3P		2NO + 2NC	PSK222-3P	3111
Pilot Light for direct connection upto 230	V (LED Bulk	Red		PLB4LB (240V AC)	<u>55</u>
Pilot Light through series resistor for 230V (LED E	s `	Green		PLBR3LB (240V AC)	10 26 26
Illuminated Pushbutton direct connection upto 230V	AL5LB (LED Bulb)	Amber	1NO + 1NC	PSL5LB11 (230V)	· — · — ·
					40



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GST : 18%

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Warranty Policy: TEKNIC equipment is guaranteed under the following terms:

For a period of 12 months from the date of sale, TEKNIC guarantees that its products are free from defects in material and workmanship, with the exception of consumables rendered unserviceable through normal use. During the said period, TEKNIC will replace or repair all parts acknowledged as defective due to factory workmanship and which have been returned in a timely manner by Buyer to TEKNIC and all costs and duties paid, together with a detailed description of the failure and a certified declaration of the number of hours of operation. Repaired or replaced parts will be redelivered FCA (named place) as per INCOTERMS 2000. This warranty is subject to the provision of correct usage, proper maintenance and does not cover defects arising out of fire, faulty operation, accident, inefficient maintenance and willful or accidental damage.

TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

#### **TEKNIC ELECTRIC (I) PVT. LTD.**

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel: +91-22-42532500

Works: 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel: +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in





Control & Signalling devices Ø 22.5 plastic construction Monoblock Series

MRP with effect from 10.07.2022





#### Control and Signalling Device in plastic construction

#### Salient Features

This range of Ø 22.5 devices plastic series namely Push Button switches, Selector Switches, Emergency Switches, Pilot Lights in engineering Plastic Construction, have been designed to provide our OEM customers and Panel Builders a compact series of products with a competitive edge. This range ensures cost efficiency and provides a high level of reliability and economy. Technical Features includes:

- •Safe in Operation •Enables Control on inventory •Reliable performance •All in one function complete function in one order code •Low built in Depth
- Single or two built in electrically separated contacts are provided (either 1 NO, 1NC, 2NO, 2NC or 1NO+1NC) Economy of Space Aesthically elegant
- Robust design Larger operating surface than Ø 30.5 Easy Mounting

#### **PUSH BUTTONS**

The monoblock push buttons are circular in design, Ø 22.5. The combination is of an actuator and contact element, single or two built in electrically separated contacts 1NO, 1NC, 2NO, 2NC or 1NO+1NC. Different varieties / colours of Actuators available are described separately herewith with their images, where the respective dimensions of the devices are also given.

#### PILOT LIGHTS:

Pilot Lights are available with integral LEDs, suitable for operating at various voltages, namely 6V, 12V, 24V, 30V, 48V, 63V, 110V, 125V AC/DC, 240VAC & 220VDC. Any other voltage & test function available on request. The pilot lights can also be offered with dual colour LEDs with different colour combinations for 12V to 240V AC/DC. The pilot lights with integral LEDs are also available suitable for operating at any universal voltage between 24V and 240V AC/DC.

#### **Terminals**

Push Button Contacts and Pilot Lights are designed to have shrouded terminals with Combi Screws.

#### Fixing

The integrated push button and pilot light range can be fixed in any position on panels of 1 to 5 mm thickness. The recommended fixing centres are 30 mm x 40 mm. The push button and pilot light are fixed on the panel with the help of locking nut.

#### Specifications of 103 series:

Details of these control devices, Ø 22.5 are detailed below:

#### A. Mechanical Durability

	Spring Return		1
Push Button	Selector	Million Operations	0.5
Push Bullon	Latching Type	Willion Operations	0.1
	Mushroom Type		0.02

#### **B. Standards & Conditions**

Applicable Standard	UL 508, IEC 60947-5-1, CSA 22.2	
Degree of Protection	IP54 (as per IEC 60947-5-1)	
Operating Conditions	+70°C to -25°C	
	Confirming to IEC 60947-5-1	
Mounting	Finished fixing hole: 22.5mm recommended (22.3+0.4/0)	
Modriting	Fixing Centres: 30*40mm Min, (Unless otherwise indicated)	
	Mounting Panel thickness: metal: 1 to 6mm, double insulated: 2 to 6mm	

#### C. Electrical Characteristics

		For AC: C300=120V, make current 15A & break current 1.5A
Rating		(Thermal current = 2.5A)
		For DC: R300= 125V make or break current 0.22A, (Thermal current = 1.0A)
Type of contact		N/C or N/O or C/O Slow Break
Positive operation		All functions incorporating an NC contact have positive opening (IEC 60947-5-1)
		2X1.5mm ² (Pin type lugs)
Terminal Capacity	Cabling	1X0.5mm ² (min) (Pin / fork type lugs)
		1X2.5mm (max) (Pin / fork type lugs)
Screw Clamp tightening torque		0.8 N.m. (nominal recommended)
Screw Clamp lightening torque		1.2 N.m(Max)
Short Circuit Protection		4A (gG catridge fuse) (IEC 60947-5-1)
Rated insulation Voltage		Ui = 250V (Degree of pollution 3)
Rated impulse withstand voltage		Uimp = 6kV (IEC 60947-1)
Dielectric Test		2.5KV (IEC 60947-5-1)
Rated insulation resistance		50MΩ (IEC 60947-1)
Vibration Test		15 gn (Frequency 40-500 Hz) (IEC 60068-2-6)
Shock Test		70 gn (½ sine wave for 6ms) (IEC 60068-2-27)
	Emergency stop	15 g (½ sine wave for 11ms) (IEC 60068-2-27)

#### D. Pilot light with integral LED / multichip LED bulb (BA9S cap)

Current consumptions (applicable to all colours)	
24 VAC/DC, 110 VAC & 240 VAC	max. 20 mA
110 VDC	max. 10 mA
220 VDC	max. 10 mA
Service life (at nominal voltage & at ambient temperature of 25 ° C)	50,000 hours
Voltage limits (nominal voltage)	< 20% of rated voltage >
Short circuit protection	on specific request
Terminal capacity	min. 1 x 0.5 mm2, max. 2 x 1.5 mm2 or 1 x 2.5 mm2



#### MOMENTARY FLUSH PUSH BUTTONS **TYPE COLOUR ORDERING CODE** PRICE IN Rs. White 3PSF110 110.00 Black 3PSF210 110.00 Flush push button with 1NO Green 3PSF310 110.00 contact element Red 3PSF410 110.00 Blue 3PSF610 110.00 110.00 Yellow 3PSF810 3PSF101 110.00 White Flush push Black 3PSF201 110.00 button with 1NC Green 3PSF301 110.00 contact element 110.00 Red 3PSF401 Blue 3PSF601 110.00 Yellow 3PSF801 110.00 White 3PSF111 150.00 Flush push Black 3PSF211 150.00 button with Green 3PSF311 150.00 1NO+1NC Red 3PSF411 150.00 contact element Blue 3PSF611 150.00 3PSF811 150.00 Yellow White 3PSF120 150.00 Flush push Black 3PSF220 150.00 button with 2NO 3PSF320 150.00 Green contact element Red 3PSF420 150.00 Blue 3PSF620 150.00 Yellow 3PSF820 150.00 White 3PSF102 150.00 150.00 Black 3PSF202 Flush push Green 3PSF302 150.00 150.00 button with 2NC Red 3PSF402 contact element Blue 3PSF602 150.00 Yellow 3PSF802 150.00



# **Control & Signalling Devices 22.5 Ø**

PLASTIC SERIES (ECONOMY SERIES)

	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
		White	3PSFPP110	125.00
	Flush push -	Black	3PSFPP210	125.00
	push button with	Green	3PSFPP310	125.00
	1NO contact element	Red	3PSFPP410	125.00
		Blue	3PSFPP610	125.00
		Yellow	3PSFPP810	125.00
		White	3PSFPP101	125.00
	Flush push -	Black	3PSFPP201	125.00
	push button with	Green	3PSFPP301	125.00
	1NC contact element	Red	3PSFPP401	125.00
		Blue	3PSFPP601	125.00
		Yellow	3PSFPP801	125.00
		22	1 2 2 2 2 2 2	
		White	3PSFPP111	165.00
6	Flush push -	Black	3PSFPP211	165.00
0	push button with	Green	3PSFPP311	165.00
	1NO+1NC	Red	3PSFPP411	165.00
	contact element	Blue	3PSFPP611	165.00
		Yellow	3PSFPP811	165.00
		White	3PSFPP120	165.00
	Flush push -	Black	3PSFPP220	165.00
	push button with	Green	3PSFPP320	165.00
	2NO contact element	Red	3PSFPP420	165.00
		Blue	3PSFPP620	165.00
		Yellow	3PSFPP820	165.00
		White	3PSFPP102	165.00
	Flush push -	Black	3PSFPP202	165.00
	push button with	Green	3PSFPP302	165.00
	2NC contact element	Red	3PSFPP402	165.00
		Blue	3PSFPP602	165.00
		Yellow	3PSFPP802	165.00



	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	1172	COLOGN	OKDEKING CODE	FRICE IN NS.
	Mushroom Latching Ø 40mm			
	with 1NO contact element	Red	3PSML410	180.00
	Mushroom Latching Ø 40mm			
	with 1NC contact element	Red	3PSML401	180.00
	Mushroom Latching Ø 40mm			
	with 1NO+1NC contact element	Red	3PSML411	220.00
3.5				
-				
1				
	Mushroom Latching Ø 40mm			
	with 2NO contact element	Red	3PSML420	220.00
	<u> </u>			
	<del> </del>		+ +	
	Mushroom Latching Ø 40mm		+	
	with 2NC contact element	Red	3PSML402	220.00



	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.
	Calaatar puch huttan			
	Selector push button, 2 position, with 1 NO	Black	3PSS210-2P	210.00
	contact element	Diack	3F33210-2F	210.00
	contact element			
	Selector push button,			
	2 position, with 1 NC	Black	3PSS201-2P	210.00
	contact element			
STATE OF				
	Selector push button,			
	2 position, with 1 NO + 1 NC	Black	3PSS211-2P	250.00
	contact element			
	Selector push button,			
	2 position, with 2 NO	Black	3PSS220-2P	250.00
	contact element			
	Selector push button,	<b>5</b> 1. 1	20000000	250.05
	2 position, with 2 NC	Black	3PSS202-2P	250.00



	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	1172	COLOGIC	OKDEKING CODE	FRICE IN IS.
	Selector push button,			
	3 position, with 1NO+1NC	Black	3PSS211-3P	250.00
	Contact Element			
September 1	Selector push button,			
	3 position, with 2NO	Black	3PSS220-3P	250.00
100	contact element	Black	31 33223 31	230.00
	Selector push button,	-1 1		
	3 position, with 2NC	Black	3PSS202-3P	250.00
	contact element			



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TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

#### **TEKNIC ELECTRIC (I) PVT. LTD.**

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel: +91-22-42532500

Works : 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel : +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in

CH:MT:23 REV:F





# Economy Series LED Pilot Lights Ø 22.5

## MRP with effect from 10.07.2023



#### Salient Features:

- Quick installation
   Safe operation
   Robust design
   Aesthetically elegant
   Diffused illumination
- 2 LED chip cluster LVGP (Low Voltage Glow Protection) Marking on diffuser on request

#### **Electrical and Mechanical Characteristics Environment**

Degree of protection IP65 as per IEC 60529 Applicable standards IEC 60947-5-1

**Product Certification** 

CE

Ambient -25°C to +70°C -25°C to +40°C Storage

#### **Mechanical Characteristics:**

Maximum 2x1.5mm² or 1x2.5mm². Minimum 1x 0.5mm² **Terminal Capacity** 

Terminal marking X1 X2 **Terminal Torque** 0.5 Nm

Viewing Angle More than 100°

More than 100 mcd for all colors Optical Axial intensity

Weight 25 gms

#### **Electrical Characteristics:**

Rated insulation voltage 500 V Dielectric Test 2.5 KV

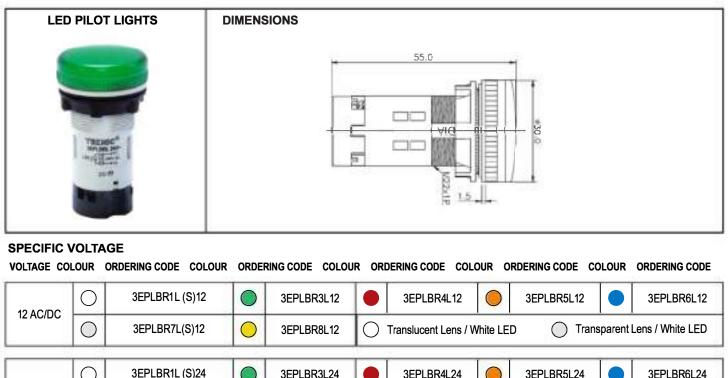
Polymeric parts V2 as per UL94

Polarity protection is only in case of DC supply lamps Polarity protection **Current Consumption** Max. 20mA for AC circuits. Max.15mA for DC circuits





## Economy Series LED Pilot Lights Ø 22.5



IZAGIBO	0	3EPLBR7L(S)12	0	3EPLBR8L12	Translucent Lens / White LED Transparent Lens / White LED
04 40/00		3EPLBR1L (S)24		3EPLBR3L24	● 3EPLBR4L24
24 AC/DC	0	3EPLBR7L(S)24	0	3EPLBR8L24	Translucent Lens / White LED Transparent Lens / White LED
440.40		3EPLBR1L(S)110AC		3EPLBR3L110AC	3EPLBR4L110AC 3EPLBR5L110AC 3EPLBR6L110AC
110 AC	0	3EPLBR7L(S)110AC	0	3EPLBR8L110AC	Translucent Lens / White LED Transparent Lens / White LED
		3EPLBR1L(S)110DC		3EPLBR3L110DC	3EPLBR4L110DC 3EPLBR5L110DC 3EPLBR6L110DC
110 DC	0	3EPLBR7L(S)110DC	0	3EPLBR8L110DC	Translucent Lens / White LED Transparent Lens / White LED
		3EPLBR1L(S)240AC		3EPLBR3L240AC	3EPLBR4L240AC 3EPLBR5L240AC 3EPLBR6L240AC
240 AC	0	3EPLBR7L(S)240AC	0	3EPLBR8L240AC	Translucent Lens / White LED Transparent Lens / White LED
220 DC		3EPLBR1L(S)220DC	0	3EPLBR3L220DC	3EPLBR4L220DC 3EPLBR5L220DC 3EPLBR6L220DC
,50	0	3EPLBR7L(S)220DC	0	3EPLBR8L220DC	Translucent Lens / White LED Transparent Lens / White LED

Note: Other voltages namely 6 V, 30 V, 48 V, 63.5 V & 125 V DC available on request



### Control & Signalling Devices 22.5 Ø

	PLASTIC SERIES LED PILOT LIGHTS ECONOMY SERIES							
LED PILOT LIGHTS E								
	ТҮРЕ	COLOUR	ORDERING CODE	Price in Rs. INTEGRAL LED				
	Integral LED	White LED / White Lens	3EPLBR1L(S)	240.00				
	6V, 12V, 24V, 48V AC/DC	Green LED / Green Lens	3EPLBR3L	130.00				
	110VAC, 110VDC,	Red LED / Red Lens	3EPLBR4L 1	130.00				
Seed 1	230VAC, 220VDC	Amber LED / Amber Lens	3EPLBR5L	130.00				
-665		Blue LED / Blue Lens	3EPLBR6L	240.00				
		White LED / Clear Lens	3EPLBR7L(S)	240.00				
		Yellow LED / Yellow Lens	3EPLBR8L	130.00				
	Ple	ase mention the voltage required	after the ordering code					

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TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

#### **TEKNIC ELECTRIC (I) PVT. LTD.**

Reg.Office : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel: +91-22-42532500 Works: 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel: +91-22-42534500

Email: teknic@teknic.co.in/mfg@teknic.co.in Website: www.teknic.co.in





# LED Pilot Light Ø 16.5 plastic construction

MRP with effect from 10.07.2023



#### **General Characteristics:**

This range of LED Monoblock Pilot Light  $\varnothing$  16.5 is available in round & square head in a variety of colours. This Pilot Light can be fixed in any position on panels of thickness varying from 1 mm to 6 mm. The pilot light is fastened to the panel with a lock ring. We recommend min fixing centres of 25 mm x 25 mm.

Pilot lights are available with integral LED's suitable for operating at various voltages, namely 6 V, 12 V, 24 V, 30 V, 48 V, 63 V, 110 V, 125 V & 240 V AC / DC.

#### **Electrical and mechanical characteristics**

#### A) Mechanical Characteristics

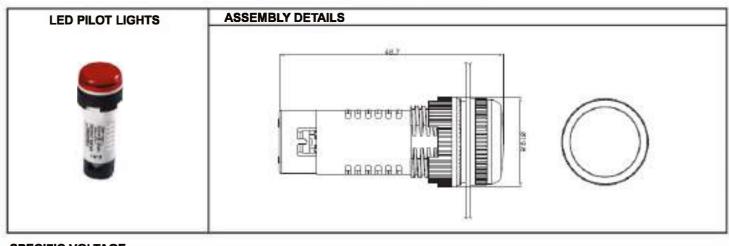
Applicable Standard	UL 508	UL 508				
	IEC 60947-5-1					
	CSA 22.2					
Degree Of Protection	IP 65 (as per IEC 60529) Dust & water tight					
Operating Conditions	+ 70° C to -25° C	- 1				
Contact Material	Brass (tin plated)					
Corrosion Protection	All metallic parts are electroplated for	7				
	corrosion protection	54				
Terminal Torque	0.5 Nm					
Viewing Angle	More than 100°					
Optical Axial intensity	More than 100 mcd for all colors	7				

#### **B) Electrical Characteristics**

Rating	Rated 6 VAC / DC, 12 VAC / DC, 24 AC / DC, 110 AC, 110 DC, 240 AC & 220 DC
Terminal Capacity	Rigid Flexible
	2 X 0.75 mm² (max) 1 X 0.75 mm² (max)
	1 X 0.5 mm² (min) 1 X 0.5 mm² (min)
	1 X 1.5 mm ² (min) 2 X 0.5 mm ² (mix)
Dielectric Test	2.5 KV
Rated Insulation Voltage	500 VDC
Polarity Protection	Nil
Low Voltage Protection	20% of Rated Voltage
Current Consumption	Max. 20 mA for AC Circuits
	Max. 15 mA for DC Circuits



#### 16.5 Ø - PILOT LIGHTS WITH INTEGRAL LED



#### **SPECIFIC VOLTAGE**

VOLTAGE	COLOUR	ORDERING CODE	COLOUR	ORDERING CODE	COLOUR	ORDERING CODE	COLOUR	ORDERING CODE	COLOUR	ORDERING CODE
12 AC/DC	0	6PLBR1L (S)12		6PLBR3L12		6PLBR4L12		6PLBR5L12		6PLBR6L12
	0	6PLBR7L(S)12	0	6PLBR8L12	O	Translucent Lens /	White LED	) Trans	sparent Ler	s / White LED
24 AC/DC -	0	6PLBR1L (S)24		6PLBR3L24		6PLBR4L24	0	6PLBR5L24	0	6PLBR6L24
	0	6PLBR7L(S)24	0	6PLBR8L24	0	Translucent Lens /	White LEI	) Trans	sparent Len	s / White LED
110 AC	0	6PLBR1L(S)110AC		6PLBR3L110AC		6PLBR4L110AC	0	6PLBR5L110AC	0	6PLBR6L110AC
	0	6PLBR7L(S)110AC	0	6PLBR8L110AC	0	Translucent Lens /	White LE	) Trans	sparent Len	s / White LED
240 AC	0	6PLBR1L(S)240AC		6PLBR3L240AC		6PLBR4L240AC	0	6PLBR5L240AC	0	6PLBR6L240AC
	0	6PLBR7L(S)240AC	0	6PLBR8L240AC	O	Translucent Lens /	White LE	) Trans	sparent Len	s / White LED

Note: Other voltages namely 6 V, 30 V, 48 V available on request



## MRP w.e.f. 10.07.2023 Control & Signalling Devices 16.5 Ø PLASTIC SERIES

Price in Rs. with Int. LED	ORDERING CODE	Colour of LED / Lens	Туре	
300.00	6PLBR1L(S)	White LED / White Lens	Integral LED	No. of Concession,
130.00	6PLBR3L	Green LED / Green Lens	6V, 12V, 24V, 48V AC/DC	
130.00	6PLBR4L	Red LED / Red Lens	110VAC, 230VAC	
130.00	6PLBR5L	Amber LED / Amber Lens		Mary 1
380.00	6PLBR6L	Blue LED / Blue Lens		500
300.00	6PLBR7L(S)	White LED / Clear Lens		Silver
130.00	6PLBR8L	Yellow LED / Yellow Lens		
_	6PLBR8L		Please	

#### **GENERAL TERMS AND CONDITIONS**

General Terms: Prices are ex-works Mumbai

GST : 18%

HSN CODE : 85365010

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Proof of purchase to be provided to avail warranty.

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 Reg. Office
 : 116, Hammersmith Industrial Estate, Mahim (W), Mumbai – 400016. Tel.:43626500,24451648 Fax : 24468185

 Head Office
 : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051.
 Tel : +91-22-42532500 Fax : 26592391

 Works : 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel : +91-22-42534500 Fax: 28504273

Email: teknic@teknic.co.in : mfg@teknic.co.in Website: www.teknic.co.in



Accessories for Metal & Plastic Series Control and Signaling Devices Ø 22.5





Accessories for Control & Signalling Devices 22.5 Ø					
	ТҮРЕ	ORDERING CODE	PRICE IN Rs.		
0	PADLOCK For Locking mushroom act. in actuated position Head Ø 40mm HSN CODE: 85389000	2PAM7	95.00		
0	PADLOCK For Locking mushroom act. in unactuated position Head Ø 40mm HSN CODE: 85389000	2PAM7EH	125.00		
7	SHROUD For Mushroom act. Head Ø 40mm HSN CODE :40169990	2ESS1	95.00		
7	SHROUD For Mushroom act. Head Ø 40mm HSN CODE :40169990	2ESS2	105.00		
<b>C</b>	SHROUD For Mushroom act. Head Ø 40mm	2ESS3	150.00		
	Shaft for fixing external Padlock (2ESS3)  HSN CODE: 40169990	2ESS3S	35.00		
	PADLOCK For Estop Head Ø 40mm HSN CODE: 85389000	2PAM	110.00		
		1			
	PADLOCK For Flush / Projecting Actuator HSN CODE: 85389000		110.00		



# Accessories for Control & Signalling Devices 22.5 Ø

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	1111			
	LENS	TransWhite	2PLL1	36.00
	For Pilot lights	Green	2PLL3	36.00
	with Filament Bulb	Red	2PLL4	36.00
		Amber	2PLL5	36.00
		Blue	2PLL6	36.00
		Clear	2PLL7	36.00
	HSN CODE: 85389000	Yellow	2PLL8	36.00
		1		
	LENS	TransWhite	2PLL1L	36.00
	For Pilot lights	Green	2PLL3L	36.00
	with LED	Red	2PLL4L	36.00
		Amber	2PLL5L	36.00
		Blue	2PLL6L	36.00
		Clear	2PLL7L	36.00
Company of the Compan	HSN CODE: 85389000	Yellow	2PLL8L	36.00
	ļ			
	LENS	TransWhite	2LAL1	36.00
/	For Illuminated Actuator	Green	2LAL3	36.00
<u> </u>	with Filament Bulb	Red	2LAL4	36.00
		Amber	2LAL5	36.00
		Blue	2LAL6	36.00
4		Clear	2LAL7	36.00
	HSN CODE: 85389000	Yellow	2LAL8	36.00
	LENS	TransWhite	2LAL1L	36.00
	For Illuminated Actuator	Green	2LAL3L	36.00
	with LED	Red	2LAL4L	36.00
/ A		Amber	2LAL5L	36.00
		Blue	2LAL6L	36.00
		Clear	2LAL7L	36.00
	HSN CODE: 85389000	Yellow	2LAL8L	36.00



#### MRP w.e.f. 10.07.2023

#### Accessories for Control & Signalling Devices 22.5 Ø

	LEGEND PLATES (ALUMINIUM)						
	1	2 POSITION					
	LEGEND	ORDERING CODE	PRICE IN Rs.	LEG	END	ORDERING CODE	PRICE IN R
	START	2LP01	26.00	START	STOP	2LP28	26.00
	STOP	2LP02	26.00	UP	DOWN	2LP29	26.00
	FORWARD	2LP03	26.00	ON	OFF	2LP30	26.00
	REVERSE	2LP04	26.00	REV.	FWD.	2LP31	26.00
	UP DOWN	2LP05 2LP06	26.00 26.00	AUTO LOCAL	HAND REMOTE	2LP32 2LP33	26.00 26.00
	OPEN	2LP07	26.00	LOCAL	II	2LP34	26.00
	CLOSE	2LP08	26.00	0	i i	2LP35	26.00
	AUTO	2LP09	26.00				
Section 1	HAND	2LP10	26.00		3 POSITION		
	SLOW	2LP11	26.00	LEG		ORDERING CODE	PRICE IN F
	FAST	2LP12	26.00	HAND	AUTO	2LP36	26.00
	RESET INCH	2LP13 2LP14	26.00	SLOW UP	FAST DOWN	2LP37 2LP38	26.00 26.00
	ON	2LP15	26.00 26.00	I	II	2LP39	26.00
	OFF	2LP16	26.00	HSN CODE : 83100090		22.00	20.00
	RIGHT	2LP17	26.00				
	LEFT	2LP18	26.00	- COMPACIA	LEGEND PLATE	ORDERING CODE	PRICE IN F
	TRIP	2LP19	26.00	Age - Color	E-STOP( PLASTIC)	ONDENING CODE	I NICE IN
	POWER ON	2LP20	26.00		Yellow colour 60mm Ø		
	LOCAL	2LP21	26.00	200	with Black Characters	2LP41	26.00
	REMOTE	2LP22	26.00	LICH CODE - CESSOSSO			
	TEST	2LP23	26.00	HSN CODE: 85389000	OTHERS		
	RUN	2LP24	26.00	150	OTHERS	ODDEDING CODE	Dulas in D
	R PHASE Y PHASE	2LP25 2LP26	26.00 26.00	_	END LUMINUM	ORDERING CODE 2LP40	Price in R
	B PHASE	2LP26 2LP27	26.00	HSN CODE : 83100090	LUIVIIIVUIVI	21740	26.00
					htoning Tool \	ODDEDING CODE	DDICE IN I
-	BLANKING PLUG	ORDERING CODE	PRICE IN Rs.	Spanner (11g	htening Tool )	ORDERING CODE	PRICE IN F
	for 22.5 Ø hole, Black	2BP2	36.00		For tightening of lock nuts of plastic series actuator & pilot lights	P2SPNR	40.00
	HSN CODE: 85389000				HSN CODE: 85365010	I.	ı
	ADAPTOR	ORDERING CODE	PRICE IN Rs.	PUSH PUSH	MECHANISM	ORDERING CODE	PRICE IN F
00	Adaptor for fixing 22.5 Ø devices in 30.5 Ø cutout.	2ADP	27.00		For converting momentary actuators into latching type	2РРМ	65.00
	HSN CODE: 85389000			THE RESERVE	LICAL CODE + 8E380000		
					HSN CODE: 85389000		
	FIXING FLANGE	ORDERING CODE	PRICE IN Rs.	FIXING	FLANGE	ORDERING CODE	PRICE IN I
	FIXING FLANGE  Metal Bracket for actuators & pilot lights	ORDERING CODE  2BRK	PRICE IN Rs.	FIXING	FLANGE  Plastic Bracket for	ORDERING CODE P2BRK	<b>PRICE IN I</b> 32.00
	Metal Bracket for actuators & pilot lights			FIXING	Plastic Bracket for actuators & pilot lights		
	Metal Bracket for actuators & pilot lights HSN CODE: 85389000	2BRK	46.00		Plastic Bracket for actuators & pilot lights HSN CODE : 85389000	P2BRK	32.00
	Metal Bracket for actuators & pilot lights				Plastic Bracket for actuators & pilot lights HSN CODE : 85389000 y Selector Actuator)	P2BRK  ORDERING CODE	32.00
	Metal Bracket for actuators & pilot lights HSN CODE: 85389000	2BRK	46.00		Plastic Bracket for actuators & pilot lights HSN CODE : 85389000	P2BRK	32.00
	Metal Bracket for actuators & pilot lights  HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting	2BRK  ORDERING CODE	46.00 PRICE IN Rs.	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE: 85389000 / Selector Actuator) Single Key	P2BRK  ORDERING CODE  2KY-1	32.00 PRICE IN F 55.00
	Metal Bracket for actuators & pilot lights HSN CODE: 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor	2BRK  ORDERING CODE	46.00 PRICE IN Rs.	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE : 85389000  / Selector Actuator)  Single Key Two Keys	P2BRK  ORDERING CODE  2KY-1	32.00 PRICE IN F 55.00 110.00
	Metal Bracket for actuators & pilot lights HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor HSN CODE : 85389000	2BRK  ORDERING CODE  2FMADP-1	46.00 PRICE IN Rs. 62.00	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE: 85389000 / Selector Actuator) Single Key Two Keys HSN CODE: 83017000 NT BULB  XX Please Put Voltage namely 12, 24, 30, 48,	P2BRK  ORDERING CODE  2KY-1  2KY-2	32.00 PRICE IN I 55.00 110.00
<b>20</b>	Metal Bracket for actuators & pilot lights  HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE : 85389000  BOOTS  Transparent Boot for non- illuminated	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE	PRICE IN Rs. 62.00  PRICE IN Rs.	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE: 85389000 / Selector Actuator) Single Key Two Keys HSN CODE: 83017000 NT BULB  XX Please Put Voltage	P2BRK  ORDERING CODE  2KY-1 2KY-2  ORDERING CODE	32.00  PRICE IN I  55.00  110.00  PRICE IN I
	Metal Bracket for actuators & pilot lights  HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE : 85389000  BOOTS  Transparent Boot for non- illuminated flush actuators (2AF series)  Boot for illuminated flush actuators	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE  2BT7  2ALBT7	PRICE IN Rs. 62.00  PRICE IN Rs. 68.00  80.00	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE: 85389000  y Selector Actuator)  Single Key Two Keys  HSN CODE: 83017000  NT BULB  XX Please Put Voltage namely 12, 24, 30, 48, 130	P2BRK  ORDERING CODE  2KY-1 2KY-2  ORDERING CODE	32.00  PRICE IN F 55.00 110.00  PRICE IN F 50.00
	Metal Bracket for actuators & pilot lights  HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE : 85389000  BOOTS  Transparent Boot for non- illuminated flush actuators (2AF series)  Boot for illuminated flush actuators  Boot for twin non- illuminated actuators	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE  2BT7  2ALBT7  2ATBT7	PRICE IN Rs. 62.00  PRICE IN Rs. 68.00  80.00	SPARE KEY (for Key	FLANGE  Plastic Bracket for actuators & pilot lights HSN CODE: 85389000 / Selector Actuator)  Single Key Two Keys  HSN CODE: 83017000  NT BULB  XX Please Put Voltage namely 12, 24, 30, 48, 130  HSN CODE: 85391000	P2BRK  ORDERING CODE  2KY-1 2KY-2  ORDERING CODE  BA9SXX  ORDERING CODE  voltage 24 / 48 / 110A	97.00  PRICE IN 1  55.00  110.00  PRICE IN 1  50.00  PRICE IN 1
	Metal Bracket for actuators & pilot lights  HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE : 85389000  BOOTS  Transparent Boot for non- illuminated flush actuators (2AF series)  Boot for illuminated flush actuators	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE  2BT7  2ALBT7  2ATBT7	46.00  PRICE IN Rs. 62.00  PRICE IN Rs. 68.00  80.00  90.00	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE: 85389000 / Selector Actuator)  Single Key Two Keys HSN CODE: 83017000  NT BULB  XX Please Put Voltage namely 12, 24, 30, 48, 130  HSN CODE: 85391000  COLOUR  Please mention supply 230AC / 220 DC after the SPECIAL WHITE	P2BRK  ORDERING CODE  2KY-1  2KY-2  ORDERING CODE  BA9SXX  ORDERING CODE  voltage 24 / 48 / 110A/ne part no. of LED bulbs	32.00  PRICE IN I  55.00  110.00  PRICE IN I  50.00  PRICE IN I  C / 110DC /  350.00
	Metal Bracket for actuators & pilot lights  HSN CODE: 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE: 85389000  BOOTS  Transparent Boot for non- illuminated flush actuators (2AF series)  Boot for illuminated flush actuators  Boot for twin non- illuminated actuators  Boot for twin illuminated actuators	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE  2BT7  2ALBT7  2ATBT7  2ATLBT7  2BT2	46.00  PRICE IN Rs. 62.00  PRICE IN Rs. 68.00  80.00  90.00  68.00	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE : 85389000  / Selector Actuator)  Single Key Two Keys  HSN CODE : 83017000  NT BULB  XX Please Put Voltage namely 12, 24, 30, 48, 130  HSN CODE : 85391000  COLOUR  Please mention supply 230AC / 220 DC after the SPECIAL WHITE GREEN	P2BRK  ORDERING CODE  2KY-1 2KY-2  ORDERING CODE  BA9SXX  ORDERING CODE  voltage 24 / 48 / 110Ane part no. of LED bulbs  MCB91  MCB93	32.00  PRICE IN F 55.00 110.00  PRICE IN F 50.00  PRICE IN F 50.00  115.00
	Metal Bracket for actuators & pilot lights  HSN CODE : 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE : 85389000  BOOTS  Transparent Boot for non- illuminated flush actuators (2AF series)  Boot for illuminated flush actuators  Boot for twin non- illuminated actuators  Boot for twin illuminated actuators  Boots for booted actuators	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE  2BT7  2ALBT7  2ATBT7  2ATLBT7  2BT2 2BT3	46.00  PRICE IN Rs. 62.00  PRICE IN Rs. 68.00  80.00  90.00  68.00 68.00	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE: 85389000  / Selector Actuator)  Single Key Two Keys  HSN CODE: 83017000  NT BULB  XX Please Put Voltage namely 12, 24, 30, 48, 130  HSN CODE: 85391000  COLOUR  Please mention supply 230AC / 220 DC after the SPECIAL WHITE GREEN RED	ORDERING CODE  2KY-1 2KY-2  ORDERING CODE  BA95XX  ORDERING CODE  voltage 24 / 48 / 110Ane part no. of LED bulbs  MCB91  MCB93  MCB94	32.00  PRICE IN F 55.00 110.00  PRICE IN F 50.00  PRICE IN F C / 110DC / G 350.00 115.00 115.00
	Metal Bracket for actuators & pilot lights  HSN CODE: 85389000  FLUSH MOUNTING ADAPTOR  Ø22.5 Plastic Series Flush Mounting Adaptor  HSN CODE: 85389000  BOOTS  Transparent Boot for non- illuminated flush actuators (2AF series)  Boot for illuminated flush actuators  Boot for twin non- illuminated actuators  Boot for twin illuminated actuators	2BRK  ORDERING CODE  2FMADP-1  ORDERING CODE  2BT7  2ALBT7  2ATBT7  2ATLBT7  2BT2	46.00  PRICE IN Rs. 62.00  PRICE IN Rs. 68.00  80.00  90.00  68.00	SPARE KEY (for Key	Plastic Bracket for actuators & pilot lights HSN CODE : 85389000  / Selector Actuator)  Single Key Two Keys  HSN CODE : 83017000  NT BULB  XX Please Put Voltage namely 12, 24, 30, 48, 130  HSN CODE : 85391000  COLOUR  Please mention supply 230AC / 220 DC after the SPECIAL WHITE GREEN	P2BRK  ORDERING CODE  2KY-1 2KY-2  ORDERING CODE  BA9SXX  ORDERING CODE  voltage 24 / 48 / 110Ane part no. of LED bulbs  MCB91  MCB93	PRICE IN R 55.00 110.00  PRICE IN R 50.00  PRICE IN R 50.00  350.00 115.00



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Works : 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel : +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in

EV:F

## TEKNIC







Control & Signaling Devices Ø22.5 Metal Series Joystick

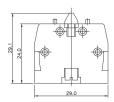
MRP with effect from 10.07.2023

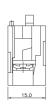


#### **General Characteristics:**

These are manually operated switches for installation in control panel & portable control equipment. They are used in steel, construction industry, machine tools, transport, conveyors, ware housing, studio, radio & cable control & cranes. They are used wherever motion sequences to actuation directions are controlled by hand. They are ideal for raising, lowering, moving to left or right. The switching elements are actuated by the joystick being moved out of intermediate position.

Note: The product is supplied as a single unit & not intended to be used without the special contact block/s attached to it. Product is factory fitted & warranty would be void if factory fitment is tampered. Standard contact elements (e.g. Model nos S1, S2... etc) cannot be used with this.







#### **Mechanical Characteristics**

**Terminal Capacity** 

Terminal marking Terminal Torque Operation Mechanical life Ambient Storage

Mounting

: Maximum 2 X 1.5 mm² or 1 X 2.5 mm²

: Minimum 1 X 0.5 mm²

:34

: 0.8 N.m

: Self-wiping, slow break

: over 0.1 million operations

: -25° C to +70° C

: -25° C to +40° C for 24 months stored in

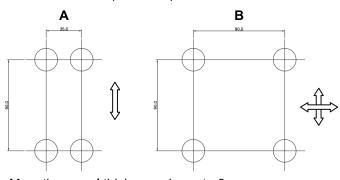
clean & dry surrounding

: Can be mounted Vertical or Horizontal as required

Fixing Centers

35 mm X 90 mm (2P/2PSR) A

90 mm X 90 mm (4P/4PSR) B



Mounting panel thickness: 1 mm to 6 mm

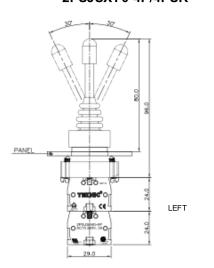
: with 2 elements: 120 X 40 X 30 : with 4 elements: 144 X 40 X 30

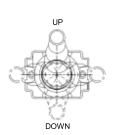
Overall Dimensions (LXBXH)

#### 2PSJSXY0-2P/2PSR

# PANEL DOWN

#### 2PSJSXY0-4P/4PSR





RIGHT

#### **Electrical Characteristics:**

: AC 15 3A, 240 V AC Make & Break Capacity

DC 13 0.5A, 110 V DC with a time constant of

300 ms A600, Q600 : 500 V

Rated insulation voltage Rated thermal current : 10A

Short circuit protection : 10A HRC cartridge fuse, rated for resistive

> loading : 2.5 KV

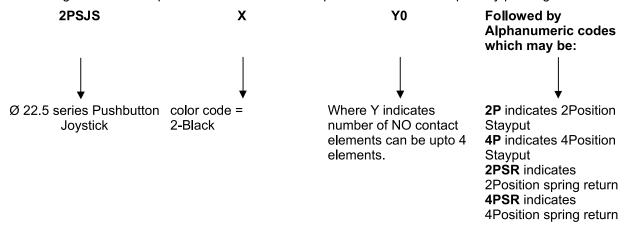
Dielectric Test

Approvals regarding the material

Polymeric parts : UL-Recognized material

#### Ordering codes for 2PSJSXY0-2P/4P/2PSR/4PSR

The ordering code for each product is mentioned on the product as well as the primary packing box.

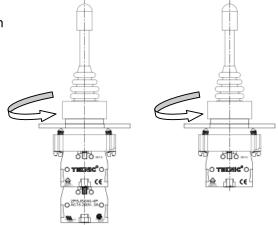


#### **Mounting Instructions**

Safety regulations: This unit may be installed & commissioned by trained personnel who are familiar with current regulation for health & safety at work & accident prevention. Ensure local regulations are met especially those relating to safety. This is for use on flat surface, IP65 & type 4X, 12 enclosure. Ensure that this pushbutton switch will operate fully after installation. Failure to follow these will result in malfunctioning of the switch & may cause damage to equipment or accident

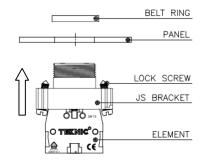
#### To install:

1. Open the top sub assembly by rotating it in anticlockwise direction

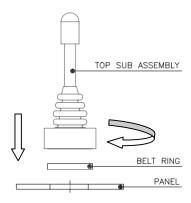


#### **Mounting Instructions (Contd.)**

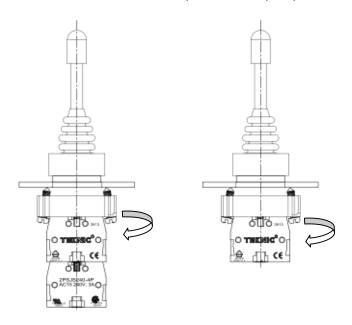
2. Insert the JS bracket with element assembly from back of the panel of Ø 22.5 cutout.



3. Ensure the belt ring is assembled from above the panel. Fully tighten the top sub assembly by rotating clockwise



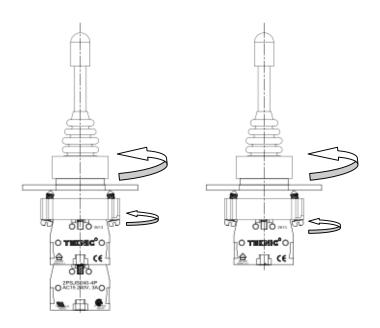
4. Tighten the lock screws in clockwise direction with a torque of 1.2Nm (max)



5. Check to see if the handle operates in 2P/4P directions, as applicable.

#### To uninstall:

- 1. Open the lock screws fully by turning anticlockwise direction
- 2. Rotate the top sub assembly in anticlockwise direction & the sub assemblies separates out





### MRP w.e.f. 10.07.2023 Control & Signalling Devices 22.5 Ø METALLIC SERIES

JOYSTICKS						
	ТҮРЕ	COLOUR	ORDERING CODE	Price in Rs.		
	2 Position, Stayput	Black	2PSJS220-2P	2560.00		
	2 Position, Spring Return	Black	2PSJS220-2PSR	2560.00		
	4 Position, Statyput	Black	2PSJS240-4P	3350.00		
	4 Position, Spring Return	Black	2PSJS240-4PSR	3350.00		

#### **GENERAL TERMS AND CONDITIONS**

General Terms : Prices are ex-works Mumbai

HSN CODE : 85365010 for all the products of this MRP List

GST : 18%

Prices are subject to revision without notice and ruling at the time of delivery.

This price list supersedes all previous Price Lists.

Warranty Policy : TEKNIC equipment is guaranteed under the following terms:

For a period of 12 months from the date of sale, TEKNIC guarantees that its products are free from defects in material and workmanship, with the exception of consumables rendered unserviceable through normal use. During the said period, TEKNIC will replace or repair all parts acknowledged as defective due to factory workmanship and which have been returned in a timely manner by Buyer to TEKNIC and all costs and duties paid, together with a detailed description of the failure and a certified declaration of the number of hours of operation. Repaired or replaced parts will be redelivered FCA (named place) as per INCOTERMS 2000. This warranty is subject to the provision of correct usage, proper maintenance and does not cover defects arising out of fire, faulty operation, accident, inefficient maintenance and willful or accidental damage.

TEKNIC guarantee applies to all equipment, parts and components stored, installed, protected, maintained and used in accordance with TEKNIC specifications and instructions, and respecting the rules for normal use, without any modification by Buyer.

All other conditions or warranties, whether express or implied, relating to the quality and operation of the equipment are excluded, as well as any liability for loss or damage caused directly or indirectly by the equipment or resulting from its use.

Proof of purchase to be provided to avail warranty.

#### TEKNIC ELECTRIC (I) PVT. LTD.

Head Office : 703/704/705, Madhava, Bandra Kurla Complex, Bandra (E), Mumbai – 400051. Tel : +91-22-42532500

Works : 65, Marol Co-op. Industrial Estate Ltd., M. Vassanji Road, Andheri (East), Mumbai – 400059. Tel : +91-22-42534500

Email : teknic@teknic.co.in mfg@teknic.co.in Website : www.teknic.co.in

# TEKNIC

CE Ous

#### **ENCLOSURES & ENCLOSING SOLUTIONS**

· Automation · Escalators / Elevators · Project Applications





#### **Enclosures in Metal / Plastic**



#### **Enclosures for Customer Assembly**

These Enclosures are for assembly by the user and can be mounted with the metallic or plastic series push buttons (please refer to the relevant catalogues for the range)

#### **Empty Enclosures ABS / Polycarbonate**

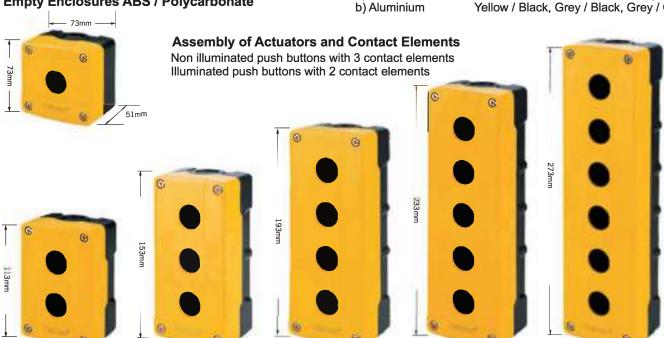
Degree of protection: IP 65, NEMA4X, 12 Standards: Cable Entries:

IEC 60529,UL50 knock outs on plastic tapped holes on Aluminium

Colours:

a) Plastic

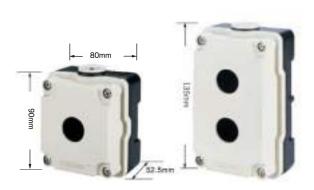
Yellow / Black, White / Black, Grey / Grey Yellow / Black, Grey / Black, Grey / Grey



#### **Empty Enlosures Aluminium (52mm depth)**

#### **Assembly of Actuators and Contact Elements**

Non illuminated push buttons with 3 contact elements Illuminated push buttons with 2 contact elements



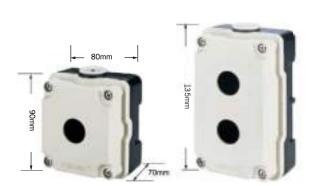




#### **Empty Enlosures Aluminium (70mm depth)**

#### **Assembly of Actuators and Contact Elements**

Non illuminated push buttons with 6 contact elements Illuminated push buttons with 4 contact elements







#### MRP FOR CONTROL STATIONS IN ALUMINIUM HOUSING EFFECTIVE FROM 10.07.2023

#### **CONTROL STATIONS IN ALUMINIUM HOUSING**

1 WAY CONTROL STATION  1 WAY CONTROL STATION							
	COLOUR	PART NO.	ENCLOSURE SIZE	MRP PER UNIT	MOQ		
	Grey Cover / Black Housing	2005A13	80 mm x 90 mm x 52 mm	635.00	50 nos.		
	Yellow Cover / Black Housing	2005A10	80 mm X 90 mm X 52 mm	635.00	50 nos.		
	2 WAY	CONTROL S	TATION				
	Grey Cover / Black Housing	2006C13	80 mm x 135 mm x 52 mm	730.00	50 nos.		
	Yellow Cover / Black Housing	2017C10	80 mm X 135 mm X 52 mm	730.00	50 nos.		
	3 WAY	CONTROL S	TATION				
	Grey Cover / Black Housing	2007E13	80 mm x 180 mm x 52 mm	840.00	25 nos.		
	Yellow Cover / Black Housing	2014E10	80 mm X 180 mm X 52 mm	840.00	25 nos.		
	4 WAY	CONTROL S	TATION				
	Grey Cover / Black Housing	2010G13	80 mm X 225 mm X 52 mm	960.00	25 nos.		
	Yellow Cover / Black Housing	2011G10	80 mm X 225 mm X 52 mm	960.00	25 nos.		



#### MRP FOR CONTROL STATIONS IN ALUMINIUM HOUSING EFFECTIVE FROM 10.07.2023

#### **CONTROL STATIONS IN ALUMINIUM HOUSING**

1 WAY CONTROL STATION  1 WAY CONTROL STATION								
	COLOUR	PART NO.	ENCLOSURE SIZE	MRP PER UNIT	MOQ			
	Grey Cover / Black Housing	7001A13	80 mm X 90 mm X 70 mm	795.00	50 nos.			
	Yellow Cover / Black Housing	7002A10	80 mm X 90 mm X 70 mm	795.00	50 nos.			
2 WAY CONTROL STATION								
	Grey Cover / Black Housing	7001C13	80 mm X 135 mm X 70 mm	865.00	50 nos.			
	Yellow Cover / Black Housing	7002C10	80 mm X 135 mm X 70 mm	865.00	50 nos.			
	3 WAY	CONTROL S	TATION					
	Grey Cover / Black Housing	7001E13	80 mm X 180 mm X 70 mm	1185.00	25 nos.			
	Yellow Cover / Black Housing	7002E10	80 mm X 180 mm X 70 mm	1185.00	25 nos.			
	4 WAY CONTROL STATION							
	Grey Cover / Black Housing	7002G10	80 mm X 225 mm X 70 mm	1290.00	25 nos.			
	Yellow Cover / Black Housing	7002G10	80 mm X 225 mm X 70 mm	1290.00	25 nos.			



#### MRP FOR CONTROL STATIONS IN ALUMINIUM HOUSING **EFFECTIVE FROM 10.07.2023**

#### **CONTROL STATIONS IN ALUMINIUM HOUSING**

#### **6 WAY CONTROL STATION MRP PER COLOUR** PART NO. **ENCLOSURE SIZE Grey Cover / Grey** 2010J14 180mm x 200mm x 70 mm 2,270.00 Housing

#### **9 WAY CONTROL STATION**



**Grey Cover / Grey** Housing

2009L14

200mm x 250mm x 90 mm

3,370.00

UNIT

10 nos.

MOQ

10 nos.



## MRP FOR CONTROL STATIONS IN PLASTIC HOUSING (ABS) EFFECTIVE FROM 10.07.2023 CONTROL STATIONS IN PLASTIC HOUSING

1 WAY CONTROL STATION							
	COLOUR	PART NO.	ENCLOSURE SIZE	MRP PER UNIT	мод		
9	Yellow cover / Black housing	4005A11	73 mm X 73 mm X 51 mm	290.00	50 nos.		
S TRIMET S	Yellow cover / Black housing	4006A10	73 mm X 73 mm X 51 mm	290.00	50 nos.		
2 WAY CONTROL STATION							
60	White cover / Black housing	4005C11	73 mm X 113 mm X 51 mm	425.00	50 nos.		
	Yellow cover / Black housing	4006C10	73 mm X 113 mm X 51 mm	425.00	50 nos.		
3 WAY CONTROL STATION							
	White cover / Black housing	4005E11	73 mm X 153 mm X 51 mm	675.00	25 nos.		
	Yellow cover / Black housing	4006E10	73 mm X 153 mm X 51 mm	675.00	25 nos.		



#### MRP FOR CONTROL STATIONS IN PLASTIC HOUSING (ABS) EFFECTIVE FROM 10.07.2023

#### **CONTROL STATIONS IN PLASTIC HOUSING**

4 WAY CONTROL STATION							
	COLOUR	PART NO.	ENCLOSURE SIZE	MRP PER UNIT	мод		
	White cover / Black housing	4005G11	73 mm X 193 mm X 51 mm	735.00	25 nos.		
	Yellow cover / Black housing	4006G10	73 mm X 193 mm X 51 mm	735.00	25 nos.		
	5 WAY	CONTROLS	STATION				
	White cover / Black housing	4005511	73 mm X 233 mm X 51 mm	825.00	25 nos.		
	Yellow cover / Black housing	4006\$10	73 mm X 233 mm X 51 mm	825.00	25 nos.		
	6 WAY	CONTROL S	STATION				
	White cover / Black housing	4005111	73 mm X 273 mm X 51 mm	900.00	25 nos.		
	Yellow cover / Black housing	4006110	73 mm X 273 mm X 51 mm	900.00	25 nos.		
1 WAY PLASTIC CONTROL STATIONS WITH YELLOW COVER / BLACK HOUSING WITH INTEGRAL CANOPY							
	Yellow cover / Black housing	6018A10	75 mm X 75 mm X 85 mm	425.00	25 nos.		





#### **GENERAL TERMS AND CONDITIONS**

PRICES: Prices are ex-works Mumbai

TAXES : GST 18%

HSN : 85371000

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Proof of purchase to be provided to avail warranty.

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REV:H