

Control and Signaling Devices Ø 22.5 Plastic Series

MRP with effect from 10.07.2024



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
- Simple to fix - screw driver is all that required • Safe in operation
- Fixing method unaffected by excessive vibration-Unit does not rotate
- Protection against electric shock (unit earthed) • Robust in materials of construction
- Very good flame resistance
- Shrouded terminals

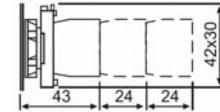
Actuators

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

Bulb.....: 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.

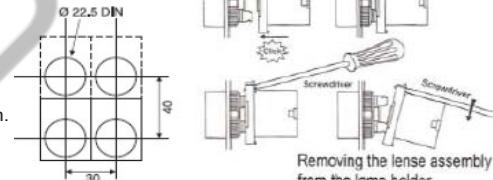
Terminals

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

Fixing

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

Degree of protection

: CSA - C22.2 No. 14° 95, UL508

Ambient

: IP 65 as per IEC 529, NEMA 4X, 12 as per UL 50

Operating Position

: - 25° C to + 70° C

Contact Block

: All Position

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

As per CSA - C22.2 No. 14-95, UL508

: DC13 0.5A 110V DC

Terminal capacity

: A 600 Q600

Terminal marking

: minimum 1 x 0.5 mm², maximum 2 x 1.5 mm² or 1 x 2.5 mm²

Short circuit protection

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

Mechanical life

: 10 A cartridge fuse HRC type, rated for resistive loading

Electric rating

: Over 1 million operations

(For 1 million operation cycles, operation at 3600 cycles per hour, load factor 0.5)

	V	24	120	230	V	24	110
AC 15					DC 13		
	A	5	4	3		A	0.5

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

Current consumptions (applicable to all colours)

: max .20 mA

24 VAC/DC, 110 VAC & 240 VAC

: max.15 mA

110 VDC

: max.10 mA

220 VDC

: 50,000 hours

Service life (at nominal voltage and at

: <20 % of rated voltage>

Ambient temperature of 25°C)

: on specific request

Voltage limits (nominal voltage)

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

Short circuit protection

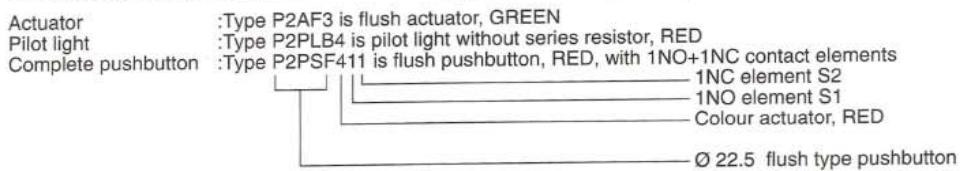
: min. 1 x 0.5 mm², max. 2 x 1.5 mm² or 1 x 2.5 mm²

Terminal capacity

Control and signalling devices Ø 22.5 P series

Ordering instructions

1. Actuators, illuminated actuators, contact elements, lense assemblies & pilot lights can all be ordered separately or in combination.
2. Prefix P2 for all actuators and combinations indicates Ø 22.5 P series.
3. The type numbers of contact elements are : NO: Actuator mounting : S1, S3 Note:
Individual mounting : S5, S7 S3, S4, S7, S8 are gold plated contacts
NC: Actuator mounting : S2, S4 suitable for low voltage, low current
Individual mounting : S6, S8 switching circuits < 25 mA



Accessories and spares

Legend plates

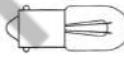
Legend plates 30 x 40 mm are supplied with the following standard texts:
 START FORWARD UP OPEN AUTO SLOW RESET ON RIGHT TRIP
 STOP REVERSE DOWN CLOSE HAND FAST INCH OFF LEFT POWER ON
 Legend plate Ø 60 mm yellow with black characters for EMERGENCY STOP



Filament bulb

Filament bulb type BA9S, OAL 28mm

Voltage	6	12	24	30	48	60	130
Watts	1	2	2	2	2	2	2.6



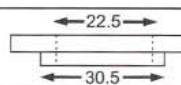
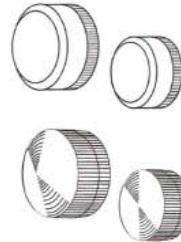
LED bulb

LED multichip bulb type BA9S, OAL 28mm

Colour	White	Green	Red	Amber	Blue	Yellow	V	W
Type No.	MCB9124	MCB9324	MCB9424	MCB9524	MCB9624	MCB9824	24	0.5
	MCB9110	MCB9310	MCB94110	MCB95110	MCB96110	MCB98110	110	1.0
	MCB9120	MCB9320	MCB94230	MCB95230	MCB96230	MCB98230	230	1.0

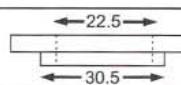
Lenses

Colour of lens	Translucent White	Green	Red	Amber	Blue	Clear	Yellow	
For pilot lights with filament bulb	2PLL1	2PLL3	2PLL4	2PLL5	2PLL6	2PLL7	2PLL8	
For illuminated actuators with filament bulb (flush/projecting)	2LAL1	2LAL3	2LAL4	2LAL5	2LAL6	2LAL7	2LAL8	
For pilot lights with LED	2PLL1L	2PLL3L	2PLL4L	2PLL5L	2PLL6L	2PLL7L	2PLL8L	
For illuminated actuators with LED (flush/projecting)	2LAL1L	2LAL3L	2LAL4L	2LAL5L	2LAL6L	2LAL7L	2LAL8L	



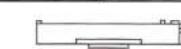
Adaptor for fixing Ø 22.5 devices in Ø 30.5 cutout.

Type No. : 2ADP



Fixing flange

Type No. : P2BRK



Padlock

For mushroom actuator : type no. 2PAM
 For projecting actuator : type no. 2PAP



Boot for non ill. flush actuator

Colour of Boot : Clear
 Type No : 2BT7



Boot for flush / projecting illuminated actuator

Colour of Boot : Clear
 Type No : 2ALBT7



Boot for twin actuator

Colour of Boot : Clear
 Type No : 2ATBT7



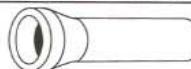
Boot for twin illuminated actuator

Colour of Boot : Clear
 Type No : 2ATLBT7



Bulb extractor

Type No. : 2BA9SE



Blanking plug for Ø 22.5 hole, black

Type No. : 2BP2



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PLASTIC SERIES
MOMENTARY ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Flush	White	P2AF1	65.00
		Black	P2AF2	65.00
		Green	P2AF3	65.00
		Red	P2AF4	65.00
		Blue	P2AF6	65.00
		Yellow	P2AF8	65.00
	Projecting	White	P2AP1	65.00
		Black	P2AP2	65.00
		Green	P2AP3	65.00
		Red	P2AP4	65.00
		Blue	P2AP6	65.00
		Yellow	P2AP8	65.00
	Flush with arrow marking	White	P2AF1A	95.00
		Black	P2AF2A	95.00
	Flush Relay Reset	White	P2AF1RR	90.00
		Black	P2AF2RR	90.00
		Green	P2AF3RR	90.00
		Red	P2AF4RR	90.00
		Blue	P2AF6RR	90.00
		Yellow	P2AF8RR	90.00
	Booted	White	P2AF1BT7	140.00
		Black	P2AF2BT7	140.00
		Green	P2AF3BT7	140.00
		Red	P2AF4BT7	140.00
		Blue	P2AF6BT7	140.00
		Yellow	P2AF8BT7	140.00



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PLASTIC SERIES

MUSHROOM HEAD ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Latching Ø 30mm	Black	P2AMLS2	150.00
		Red	P2AMLS4	150.00
	Momentary Ø 40mm	Black	P2AM2	110.00
		Green	P2AM3	110.00
		Red	P2AM4	110.00
		Blue	P2AM6	110.00
		Yellow	P2AM8	110.00
	Push-Pull Ø 40mm	Black	P2AMPP2	150.00
		Red	P2AMPP4	150.00
	Latching Ø 40mm	Black	P2AML2	150.00
		Red	P2AML4	150.00
	Latching with Key Ø 40mm	Black	P2AMLKB2	295.00
		Red	P2AMLKB4	295.00



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PLASTIC SERIES

MUSHROOM HEAD ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Latching Trigger Ø 40mm	Black	P2AMLT2	225.00
		Red	P2AMLT4	225.00
	Latching Trigger with key Ø 40mm	Black	P2AMLTKB2	365.00
		Red	P2AMLTKB4	365.00
	Push-Pull Trigger with mechanical Indicator Ø 40 mm	Red	P2AMPPT4	260.00
	Latching Ø 60mm	Black	P2AMLJ2	190.00
		Red	P2AMLJ4	190.00
	Push-Pull Ø 60mm	Black	P2AMPPJ2	190.00
		Red	P2AMPPJ4	190.00
	Momentary Ø 60mm	Black	P2AMJ2	150.00
		Green	P2AMJ3	150.00
		Red	P2AMJ4	150.00
		Blue	P2AMJ6	150.00
		Yellow	P2AMJ8	150.00



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PLASTIC SERIES

SELECTOR ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	2 position LATCHING	Black	P2AS2-2P	202.00
	With ext. knob		P2AS2E-2P	202.00
	MOMENTARY		P2AS2-2PSR	202.00
	With ext. knob		P2AS2E-2PSR	202.00
	3 position STAY PUT	Black	P2AS2-3P	202.00
	With ext. knob		P2AS2E-3P	202.00
	MOMENTARY on both sides		P2AS2-3PSR	221.00
	With ext. knob		P2AS2E-3PSR	221.00
	MOMENTARY on right		P2AS2-3PSRR	221.00
	With ext. knob		P2AS2E-3PSRR	221.00
	MOMENTARY on left		P2AS2-3PSRL	221.00
	With ext. knob		P2AS2E-3PSRL	221.00



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PLASTIC SERIES

KEY SELECTOR ACTUATORS



TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
2 POSITION Stayput	Black	P2AK2-2PB	285.00
		P2AK2-2PO	285.00
		P2AK2-2PI	285.00
Spring Return	Black	P2AK2-2POSR	285.00
3 POSITION Stayput		P2AK2-3PA	300.00
		P2AK2-3PO	300.00
		P2AK2-3PB	300.00
Spring Return		P2AK2-3PC	300.00
Right to Centre		P2AK2-3PSR	300.00
Left to Centre		P2AK2-3PSRR	300.00
		P2AK2-3PSRL	300.00

* X stands for position in which key is removable



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PLASTIC SERIES

TWIN ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Double Flush w/o IO Mark	Green	P2ATF3F4	135.00
		Red		
		Yellow	P2ATF8F2	135.00
		Black		
	Double Flush with IO Mark	Green	P2ATF3F4(IO)	135.00
		Red		
		Yellow	P2ATF8F2(IO)	135.00
		Black		
	1 Flush 1 Projecting w/o IO Mark	Green	P2ATF3P4	135.00
		Red		
		Yellow	P2ATF8P2	135.00
		Black		
	1 Flush 1 Projecting with IO Mark	Green	P2ATF3P4(IO)	135.00
		Red		
		Yellow	P2ATF8P2(IO)	135.00
		Black		



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PLASTIC SERIES

ILLUMINATED ACTUATORS WITH INTEGRAL LED / LED BULB

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB
ILLUMINATED ACTUATORS WITH INTEGRAL LED / LED BULB					
	Illuminated Flush actuator, Momentary Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	P2ALRF1L(S)	385.00	
		Green LED / Green Lens	P2ALRF3L	245.00	
		Red LED / Red Lens	P2ALRF4L	245.00	
		Amber LED / Amber Lens	P2ALRF5L	245.00	
		Blue LED / Blue Lens	P2ALRF6L	500.00	
		White LED / Clear Lens	P2ALRF7L(S)	385.00	
		Yellow LED / Yellow Lens	P2ALRF8L	245.00	
		Please mention the voltage required after the ordering code			
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED Bulb / White Lens	P2ALF1LB(S)	475.00	
		Green LED Bulb / Green Lens	P2ALF3LB	255.00	
		Red LED Bulb / Red Lens	P2ALF4LB	255.00	
		Amber LED Bulb / Amber Lens	P2ALF5LB	255.00	
		Blue LED Bulb / Blue Lens	P2ALF6LB	500.00	
		White LED Bulb / Clear Lens	P2ALF7LB(S)	475.00	
		Yellow LED Bulb / Yellow Lens	P2ALF8LB	255.00	
LED Bulb	Please mention the voltage required after the ordering code				
ILLUMINATED PROJECTING ACTUATOR, MOMENTARY					
	Illuminated Projecting Actuator, Momentary Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	P2ALRP1L(S)	385.00	
		Green LED / Green Lens	P2ALRP3L	245.00	
		Red LED / Red Lens	P2ALRP4L	245.00	
		Amber LED / Amber Lens	P2ALRP5L	245.00	
		Blue LED / Blue Lens	P2ALRP6L	500.00	
		White LED / Clear Lens	P2ALRP7L(S)	385.00	
		Yellow LED / Yellow Lens	P2ALRP8L	245.00	
Integral LED	Please mention the voltage required after the ordering code				
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED Bulb / White Lens	P2ALP1LB(S)	475.00	
		Green LED Bulb / Green Lens	P2ALP3LB	255.00	
		Red LED Bulb / Red Lens	P2ALP4LB	255.00	
		Amber LED Bulb / Amber Lens	P2ALP5LB	255.00	
		Blue LED Bulb / Blue Lens	P2ALP6LB	500.00	
		White LED Bulb / Clear Lens	P2ALP7LB(S)	475.00	
		Yellow LED Bulb / Yellow Lens	P2ALP8LB	255.00	
LED Bulb	Please mention the voltage required after the ordering code				

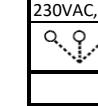
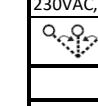
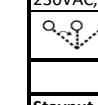
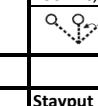
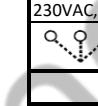
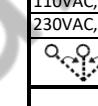
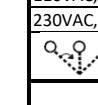
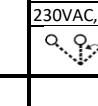


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PLASTIC SERIES

ILLUMINATED SELECTOR ACTUATOR WITH LED					
	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB
	2 Position Stayput				
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	P2ASLR1L(S)-2P	540.00	
		Green LED / Green Lens	P2ASLR3L-2P	400.00	
		Red LED / Red Lens	P2ASLR4L-2P	400.00	
		Amber LED / Amber Lens	P2ASLR5L-2P	400.00	
		Blue LED / Blue Lens	P2ASLR6L-2P	645.00	
		White LED / Clear Lens	P2ASLR7L(S)-2P	540.00	
		Yellow LED / Yellow Lens	P2ASLR8L-2P	400.00	
Integral LED	Please mention the voltage required after the ordering code				
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED Bulb / White Lens	P2ASL1LB(S)-2P	645.00	
		Green LED Bulb / Green Lens	P2ASL3LB-2P	410.00	
		Red LED Bulb / Red Lens	P2ASL4LB-2P	410.00	
		Amber LED Bulb / Amber Lens	P2ASL5LB-2P	410.00	
		Blue LED Bulb / Blue Lens	P2ASL6LB-2P	675.00	
		White LED Bulb / Clear Lens	P2ASL7LB(S)-2P	645.00	
		Yellow LED Bulb / Yellow Lens	P2ASL8LB-2P	410.00	
LED Bulb	Please mention the voltage required after the ordering code				
	2 Position Momentary				
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	P2ASLR1L(S)-2PSR	540.00	
		Green LED / Green Lens	P2ASLR3L-2PSR	400.00	
		Red LED / Red Lens	P2ASLR4L-2PSR	400.00	
		Amber LED / Amber Lens	P2ASLR5L-2PSR	400.00	
		Blue LED / Blue Lens	P2ASLR6L-2PSR	645.00	
		White LED / Clear Lens	P2ASLR7L(S)-2PSR	540.00	
		Yellow LED / Yellow Lens	P2ASLR8L-2PSR	400.00	
Integral LED	Please mention the voltage required after the ordering code				
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED Bulb / White Lens	P2ASL1LB(S)-2PSR	645.00	
		Green LED Bulb / Green Lens	P2ASL3LB-2PSR	410.00	
		Red LED Bulb / Red Lens	P2ASL4LB-2PSR	410.00	
		Amber LED Bulb / Amber Lens	P2ASL5LB-2PSR	410.00	
		Blue LED Bulb / Blue Lens	P2ASL6LB-2PSR	675.00	
		White LED Bulb / Clear Lens	P2ASL7LB(S)-2PSR	645.00	
		Yellow LED Bulb / Yellow Lens	P2ASL8LB-2PSR	410.00	
LED Bulb	Please mention the voltage required after the ordering code				

PLASTIC SERIES					
ILLUMINATED SELECTOR WITH LED/LED BULB					
	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB
3 Position Illuminated Selector Actuator					
Stayput	White LED / White Lens	P2ASLR1L(S)-3P	560.00		
Integral LED	Green LED / Green Lens	P2ASLR3L-3P	420.00		
6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3P	420.00		
110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3P	420.00		
230VAC, 220VDC	Blue LED / Blue Lens	P2ASLR6L-3P	665.00		
	White LED / Clear Lens	P2ASLR7L(S)-3P	560.00		
	Yellow LED / Yellow Lens	P2ASLR8L-3P	420.00		
Please mention the voltage required after the ordering code					
Momentary	White LED / White Lens	P2ASLR1L(S)-3PSR	565.00		
Integral LED	Green LED / Green Lens	P2ASLR3L-3PSR	435.00		
6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3PSR	435.00		
110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3PSR	435.00		
230VAC, 220VDC	Blue LED / Blue Lens	P2ASLR6L-3PSR	670.00		
	White LED / Clear Lens	P2ASLR7L(S)-3PSR	565.00		
	Yellow LED / Yellow Lens	P2ASLR8L-3PSR	435.00		
Please mention the voltage required after the ordering code					
Stayput / Momentary	White LED / White Lens	P2ASLR1L(S)-3PSRL	565.00		
Integral LED	Green LED / Green Lens	P2ASLR3L-3PSRL	435.00		
6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3PSRL	435.00		
110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3PSRL	435.00		
230VAC, 220VDC	Blue LED / Blue Lens	P2ASLR6L-3PSRL	670.00		
	White LED / Clear Lens	P2ASLR7L(S)-3PSRL	565.00		
	Yellow LED / Yellow Lens	P2ASLR8L-3PSRL	435.00		
Please mention the voltage required after the ordering code					
Stayput / Momentary	White LED / White Lens	P2ASLR1L(S)-3PSRR	565.00		
Integral LED	Green LED / Green Lens	P2ASLR3L-3PSRR	435.00		
6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	P2ASLR4L-3PSRR	435.00		
110VAC, 110VDC,	Amber LED / Amber Lens	P2ASLR5L-3PSRR	435.00		
230VAC, 220VDC	Blue LED / Blue Lens	P2ASLR6L-3PSRR	670.00		
	White LED / Clear Lens	P2ASLR7L(S)-3PSRR	565.00		
	Yellow LED / Yellow Lens	P2ASLR8L-3PSRR	435.00		
Integral LED					
Please mention the voltage required after the ordering code					
Stayput	White LED Bulb / White Lens	P2ASL1LB(S)-3P		665.00	
LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3P		435.00	
24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3P		435.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-3P		435.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P2ASL6LB-3P		690.00	
	White LED Bulb / Clear Lens	P2ASL7LB(S)-3P		665.00	
	Yellow LED Bulb / Yellow Lens	P2ASL8LB-3P		435.00	
Please mention the voltage required after the ordering code					
Momentary	White LED Bulb / White Lens	P2ASL1LB(S)-3PSR		675.00	
LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3PSR		440.00	
24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3PSR		440.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-3PSR		440.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P2ASL6LB-3PSR		700.00	
	White LED Bulb / Clear Lens	P2ASL7LB(S)-3PSR		675.00	
	Yellow LED Bulb / Yellow Lens	P2ASL8LB-3PSR		440.00	
Please mention the voltage required after the ordering code					
Stayput / Momentary	White LED Bulb / White Lens	P2ASL1LB(S)-3PSRL		675.00	
LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3PSRL		440.00	
24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3PSRL		440.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-3PSRL		440.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P2ASL6LB-3PSRL		700.00	
	White LED Bulb / Clear Lens	P2ASL7LB(S)-3PSRL		675.00	
	Yellow LED Bulb / Yellow Lens	P2ASL8LB-3PSRL		440.00	
Please mention the voltage required after the ordering code					
Stayput / Momentary	White LED Bulb / White Lens	P2ASL1LB(S)-3PSRR		675.00	
LED Bulb, BA9S type	Green LED Bulb / Green Lens	P2ASL3LB-3PSRR		440.00	
24V AC/DC,	Red LED Bulb / Red Lens	P2ASL4LB-3PSRR		440.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P2ASL5LB-3PSRR		440.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P2ASL6LB-3PSRR		700.00	
	White LED Bulb / Clear Lens	P2ASL7LB(S)-3PSRR		675.00	
	Yellow LED Bulb / Yellow Lens	P2ASL8LB-3PSRR		440.00	
LED Bulb					
Please mention the voltage required after the ordering code					





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Control & Signalling Devices 22.5 Ø

PLASTIC SERIES

TWIN ILLUMINATED ACTUATORS WITH LED

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED	PRICE IN Rs. WITH LED BULB			
	Twin Illuminated 1 Flush, 1 Projecting, (IO) Mark							
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green	P2ATLR5LF3P4 (IO)	320.00				
		Red						
		Amber lens						
Integral LED	Please mention the voltage required after the ordering code							
	LED Bulb,BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green	P2ATL5LBF3P4 (IO)	340.00				
		Red						
		Amber lens						
LED Bulb	Please mention the voltage required after the ordering code							
	Twin Illuminated Double Flush, (IO) Mark							
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green	P2ATLR5LF3F4 (IO)	320.00				
		Red						
		Amber lens						
Integral LED	Please mention the voltage required after the ordering code							
	LED Bulb,BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green	P2ATL5LBF3F4 (IO)	340.00				
		Red						
		Amber lens						
LED Bulb	Please mention the voltage required after the ordering code							

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PLASTIC SERIES
PILOT LIGHTS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. INTEGRAL LED
Pilot Light with Integral LED				
 Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	P2PLBR1L(S)	375.00	
	Green LED / Green Lens	P2PLBR3L	210.00	
	Red LED / Red Lens	P2PLBR4L	210.00	
	Amber LED / Amber Lens	P2PLBR5L	210.00	
	Blue LED / Blue Lens	P2PLBR6L	515.00	
	White LED / Clear Lens	P2PLBR7L(S)	375.00	
	Yellow LED / Yellow Lens	P2PLBR8L	210.00	
Integral LED	Please mention the voltage required after the ordering code			
 Integral LED, Flasher 24V, 110V, 230V AC	White LED Bulb / White Lens	P2PLBR1LF(S)	375.00	
	Green LED Bulb / Green Lens	P2PLBR3LF	210.00	
	Red LED Bulb / Red Lens	P2PLBR4LF	210.00	
	Amber LED Bulb / Amber Lens	P2PLBR5LF	210.00	
	Blue LED Bulb / Blue Lens	P2PLBR6LF	515.00	
	White LED Bulb / Clear Lens	P2PLBR7LF(S)	375.00	
	Yellow LED Bulb / Yellow Lens	P2PLBR8LF	210.00	
Integral LED	Please mention the voltage required after the ordering code			
 Integral LED, Universal 24V upto 240V AC / DC	White LED / White Lens	P2PLBR1LU(S)	530.00	
	Green LED / Green Lens	P2PLBR3LU	375.00	
	Red LED / Red Lens	P2PLBR4LU	375.00	
	Amber LED / Amber Lens	P2PLBR5LU	375.00	
	Blue LED / Blue Lens	P2PLBR6LU	635.00	
	White LED / Clear Lens	P2PLBR7LU(S)	530.00	
	Yellow LED / Yellow Lens	P2PLBR8LU	375.00	
Integral LED, Universal	Please mention the voltage required after the ordering code			
 Integral LED 415VAC	White LED / White Lens	P2PLBR1L(S)	440.00	
	Green LED / Green Lens	P2PLBR3L	260.00	
	Red LED / Red Lens	P2PLBR4L	260.00	
	Amber LED / Amber Lens	P2PLBR5L	260.00	
	Blue LED / Blue Lens	P2PLBR6L	565.00	
	White LED / Clear Lens	P2PLBR7L(S)	440.00	
	Yellow LED / Yellow Lens	P2PLBR8L	260.00	
Integral LED, 415VAC	Please mention the voltage required after the ordering code			
 Integral LED, Test Lamp 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	P2PLBR1L(S)**TL	525.00	
	Green LED / Green Lens	P2PLBR3L**TL	315.00	
	Red LED / Red Lens	P2PLBR4L**TL	315.00	
	Amber LED / Amber Lens	P2PLBR5L**TL	315.00	
	Blue LED / Blue Lens	P2PLBR6L**TL	665.00	
	White LED / Clear Lens	P2PLBR7L(S)**TL	525.00	
	Yellow LED / Yellow Lens	P2PLBR8L**TL	315.00	
Integral LED, Test Lamp	** Please mention the voltage required after the ordering code			



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PLASTIC SERIES

PILOT LIGHTS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
Pilot Light with LED Bulb				
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED Bulb / White Lens	P2PLB1LB(S)	435.00
		Green LED Bulb / Green Lens	P2PLB3LB	220.00
		Red LED Bulb / Red Lens	P2PLB4LB	220.00
		Amber LED Bulb / Amber Lens	P2PLB5LB	220.00
		Blue LED Bulb / Blue Lens	P2PLB6LB	465.00
		White LED Bulb / Clear Lens	P2PLB7LB(S)	435.00
		Yellow LED Bulb / Yellow Lens	P2PLB8LB	220.00
LED Bulb	Please mention the voltage required after the ordering code			
	LED Bulb			
	Pri. Volt.	Sec Volt.	White LED Bulb / White Lens	P2PLBT1LB(S) XXX / YY
	110VAC	06	Green LED Bulb / Green Lens	P2PLBT3LB XXX / YY
	110VAC	12	Red LED Bulb / Red Lens	P2PLBT4LB XXX / YY
	110VAC	24	Amber LED Bulb / Amber Lens	P2PLBT5LB XXX / YY
	Pri. Volt.	Sec Volt.	Blue LED Bulb / Blue Lens	P2PLBT6LB XXX / YY
	240VAC	06	White LED Bulb / Clear Lens	P2PLBT7LB(S) XXX / YY
	240VAC	12	Yellow LED Bulb / Yellow Lens	P2PLBT8LB XXX / YY
Connection with Transformer	XXX - Primary Voltage			
	YY - Secondary Voltage			



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Control & Signalling Devices 22.5 Ø

PLASTIC SERIES

LED PILOT LIGHTS ECONOMY SERIES

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB			
	Integral LED 6V, 12V, 24V, 48V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	White LED / White Lens	3PLBR1L(S)	335.00			
		Green LED / Green Lens	3PLBR3L	165.00			
		Red LED / Red Lens	3PLBR4L	165.00			
		Amber LED / Amber Lens	3PLBR5L	165.00			
		Blue LED / Blue Lens	3PLBR6L	460.00			
		White LED / Clear Lens	3PLBR7L(S)	335.00			
		Yellow LED / Yellow Lens	3PLBR8L	165.00			
Please mention the voltage required after the ordering code							
	Integral LED, 24V upto 240V AC / DC	White LED / White Lens	3PLBR1LU(S)	430.00			
		Green LED / Green Lens	3PLBR3LU	275.00			
		Red LED / Red Lens	3PLBR4LU	275.00			
		Amber LED / Amber Lens	3PLBR5LU	275.00			
		Blue LED / Blue Lens	3PLBR6LU	570.00			
		White LED / Clear Lens	3PLBR7LU(S)	430.00			
		Yellow LED / Yellow Lens	3PLBR8LU	275.00			
Please mention the voltage required after the ordering code							
	Integral LED, Dual colour						
	24VAC	Green LED	3PLBR34L	280.00			
	110VAC	Red LED					
	230VAC	White Lens					
Please mention the voltage required after the ordering code							
	Integral LED with Buzzer						
	12VAC/DC	Red LED	3PLBR4LBZ	295.00			
	24VAC/DC						
	110VAC						
	230VAC						
Please mention the voltage required after the ordering code							
	Integral LED with Test Lamp						
	12VAC/DC	Red LED	3PLBR4LTL	260.00			
	24VAC/DC						
	110VAC						
	230VAC						
Please mention the voltage required after the ordering code							



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Control & Signalling Devices 22.5 Ø

PLASTIC SERIES

CONTACT ELEMENTS

	TYPE	ORDERING CODE	PRICE IN Rs.
PANEL MOUNTING			
	NORMALLY OPEN (NO) SILVER CONTACT	S1	80.00
	NORMALLY OPEN (NO) SILVER CONTACT (BREAK BEFORE MAKE)	S1S	80.00
	NORMALLY OPEN (NO) SILVER CONTACT (MAKE BEFORE BREAK)	S1E	80.00
	NORMALLY CLOSED (NC) SILVER CONTACT	S2	80.00
	NORMALLY OPEN (NO) GOLD CONTACT	S3	215.00
	NORMALLY CLOSED (NC) GOLD CONTACT	S4	215.00
BASE MOUNTING			
	NORMALLY OPEN (NO) SILVER CONTACT	S5	80.00
	NORMALLY CLOSED (NC) SILVER CONTACT	S6	80.00
	NORMALLY OPEN (NO) GOLD CONTACT	S7	215.00
	NORMALLY CLOSED (NC) GOLD CONTACT	S8	215.00

Common types of control and signalling devices Ø 22.5 P series

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
Flush Pushbutton	P2AF3	Green	1NO	P2PSF310
	P2AF8	Yellow	2NO+1NC	P2PSF821
Projecting Pushbutton	P2AP2	Black	2NC	P2PSP202
	P2AP4	Red	3NO+3NC	P2PSP433
Booted Pushbutton	P2AB3BT7	Green	2NO	P2PSB3BT720
	P2AB4BT7	Red	2NC	P2PSB4BT702
Mushroom Pushbutton Spring return	P2AM2	Black	1NO+1NC	P2PSM211
	P2AM4	Red	1NC	P2PSM401
Mushroom Pushbutton latching turn to release	P2AML2	Black	1NC	P2PSML201
	P2AML4	Red	2NO+2NC	P2PSML422
Mushroom Pushbutton latching, key to release	P2AMLKB4	Red	1NO+1NC	P2PSMLKB411
Selector Actuator(2 Pos)	P2AS2-2P	Black	1NO	P2PSS210-2P
Selector Actuator(3 Pos)	P2AS2-3P	Black	1NO+1NC	P2PSS211-3P
Key Actuator (2 Pos), key removable in both positions Key Actuator (3 Pos), key removable in left & right positions	P2AK2-2PB		1NO	P2PSK210-2PB
	P2AK2-3PB		1NO+1NC	P2PSK211-3PB
Twin Pushbutton marked "I O"	P2ATF2-F4-IO	Flush-Black	1 NO	P2PSTF210-F401-IO
Flush - Flush		Flush-Red	1 NC	
Twin Pushbutton not marked	P2ATF3-P4	Flush-Green	1NO+1NC	P2PSTF311-P411
Flush - Projecting		Proj-Red	1NO+1NC	
Flush Illuminated Pushbutton with integral LED for 24V DC	P2ALRF3L24DC	Green	1NO+1NC	P2PSLRF3L1124DC
Projecting Illuminated Pushbutton with integral LED for 230V AC	P2ALRP4L230AC	Red	1NO+1NC	P2PSLRP4L11230AC
Twin Luminous Pushbutton marked "I O" Flush - Flush direct connection (130V)	P2ATL3-F2-F4 IO130	Lense-Green Flush-Black Flush-Red	1 NO + 1 NC 1 NC	P2PSTL3F211-F401-I0130
Twin Luminous Pushbutton not marked Flush - Projecting with resistance and (230AC)	P2ATLR5-F3-P4230	Lense-Amber Flush-Green Proj.-Red	1 NO 1 NC	P2PSTLR5F310-P401 230
Pilot Light for direct connection upto 130V	P2PLLA3	Green	2LHB130	P2PLB3130
	P2PLLA4	Red	2LHB130	P2PLB4130
Pilot Light through resistor and diode for 230 V AC. Bulb:130 V.	P2PLLA5	Amber	2LHBR230 AC	P2PLBR5230AC
Pilot Light with transformer for 230 V Bulb:24 V.	P2PLLA6	Blue	2LHBR230 AC	P2PLBR6230AC
Pilot Light with LED bulb for 110V AC Bulb: 110V	P2PLLA4	Red	2LHBT230/24	P2PLBT4230/24
Pilot Light with LED bulb for 230 V Bulb:24 V.	P2PLLA3	Green	2LHBT230/24	P2PLBT3230/24
Pilot Light with LED bulb for 110V AC Bulb: 110V	P2PLLA5	Amber	2LHLB110	P2PLB5LB110
Pilot light economy type with integral LED for 220 DC	—	White	—	3PLBR1L220DC



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.

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