

LR 3)

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

Shrouded terminals

 Robust in materials of construction Safe in operation

· Simple to fix-Snap fitting Resistant to corrosion

· Very good flame resistance

 Fixing method unaffected by excessive vibration unit does not rotate

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.





#### Illuminated 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

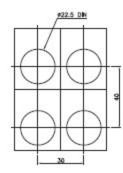
Contact elements and pilot lights are designed to have shrouded terminals with combi screws.

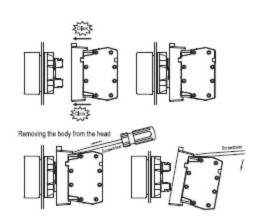
The Ø 22,5 P4 Clip on series control devices can be fixed in any position on panels of 1 to 5 mm thickness.

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, 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

Contact Block

Rated insulation voltage 500 V Rated thermal current 10 A

Contact operation Slow break NO or NC

Make and break capacity

As per IEC 60947 - 5 - 1 AC 15 4 A, 415 V AC DC 13 0.5 A , 110 V DC

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

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

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

Over 1 million operations Mechanical life

Electrical rating

(for 1 million operating cycles, operating at 3600 cycles per hour,

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

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

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

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 90.00 P4AF1BA 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



# rol & Signalling Devices 22.5 CLIP ON PLASTIC SERIES

#### **MUSHROOM HEAD ACTUATORS** TYPE **COLOUR ORDERING CODE** PRICE IN Rs. Latching **Black** P4AMLS2 145.00 P4AMLS4 Ø 30mm Red 145.00 Black P4AM2 105.00 Momentary Green P4AM3 105.00 Ø 40mm Red P4AM4 105.00 Blue P4AM6 105.00 Yellow P4AM8 105.00 **Push Pull** Black P4AMPP4 145.00 Ø 40 mm Red P4AMPP4 145.00



	Latching	Black	P4AMLKB2	285.00
	with Key	Red	P4AMLKB4	285.00
	Ø 40mm			

P4AML2

P4AML4

145.00

145.00



#### **CLIP ON PLASTIC SERIES** MUSHROOM HEAD ACTUATORS **TYPE 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 145.00 145.00 Momentary Green P4AMJ3 Ø 60mm Red P4AMJ4 145.00 Blue P4AMJ6 145.00 145.00 Yellow P4AMJ8 Push Pull Black P4AMPPJ2 185.00 P4AMPPJ4 185.00 Ø 60 mm Red Latching **Black** P4AMLJ2 185.00 Ø 60mm P4AMLJ4 185.00 Red



#### **CLIP ON PLASTIC SERIES SELECTOR ACTUATORS TYPE COLOUR ORDERING CODE** PRICE IN Rs. Selector 2 position Black P4AS2-2P 196.00 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

	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
	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ALF4LB	245.00
Main translates CE	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ALF5LB	245.00
Same ALPHO LED SERVICE SAME SER	,	Blue LED Bulb / Blue Lens	P4ALF6LB	485.00
2110		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 Project	ing, 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
MAIN THE PROPERTY OF STREET	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ALP6LB	485.00
Wodnester 4016 (2)		White LED Bulb/ Clear Lens	P4ALP7LB(S)	460.00
		Yellow LED Bulb / Yellow Lens	P4ALP8LB	245.00



	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		
	150 D. H. DAGG .	100 to 150 to 11 (100 to 1	244044260	505.00
	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
	9, ,0	White LED Bulb / Clear Lens	P4ASL7LB(S)-2P	625.00
	~	Yellow LED Bulb / Yellow Lens	P4ASL8LB-2P	395.00
	Please mention the voltag	ge required after the ordering code		
40-18 (AL-181) (AL-18	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
		Blue LED Bulb / Blue Lens	P4ASL6LB-2PSR	655.00
	Q, A	White LED Bulb / Clear Lens	P4ASL7LB(S)-2PSR	625.00
	•••	Yellow LED Bulb / Yellow Lens	P4ASL8LB-2PSR	395.00
"	<b>DI</b>			
LED Bulb	Please mention the voltage	ge required after the ordering code		



## Control & Signalling Devices 22.5 Ø

	CLIP ON PLASTIC SERIES		
INATED SELECTOR WITH LED BUL	В		22105 111 2
ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
3 Position Illur	minated Selector Actuator	-	
Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3P	645.00
LED Bulb BA9S type		P4ASL3LB-3P	420.00
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3P	420.00
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3P	420.00
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3P	670.00
٩٩٥	White LED Bulb/ Clear Lens	P4ASL7LB(S)-3P	645.00
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3P	420.00
Blaces manual and the	alternative defines the and alternative		
Please mention the v	oltage required after the ordering code	<u> </u>	
Momentary	White LED Bulb / White Lens	P4ASL1LB(S)-3PSR	655.00
LED Bulb BA9S type		P4ASL3LB-3PSR	425.00
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSR	425.00
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSR	425.00
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSR	680.00
	White LED Bulb / Clear Lens	P4ASL7LB(S)-3PSR	655.00
000	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSR	425.00
Please mention the v	oltage required after the ordering code		
Momentary / Stayp	ut White LED Bulb / White Lens	P4ASL1LB(S)-3PSRL	655.00
LED Bulb BA9S type		P4ASL3LB-3PSRL	425.00
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSRL	425.00
	Amber LED Bulb / Amber Lens		425.00
110VAC, 110VDC	· · · · · · · · · · · · · · · · · · ·	P4ASL5LB-3PSRL P4ASL6LB-3PSRL	680.00
230VAC, 220VDC	Blue LED Bulb / Blue Lens		
0,0	White LED Bulb/ Clear Lens Yellow LED Bulb / Yellow Lens	P4ASL7LB(S)-3PSRL P4ASL8LB-3PSRL	655.00 425.00
*	Tellow LED Buildy Tellow Lells	F4A3L0LD-3F3I\L	423.00
Please mention the v	oltage required after the ordering code	•	
Momentary / Stayp		P4ASL1LB(S)-3PSRR	655.00
LED Bulb BA9S type		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
٥٫٥٫٥	White LED Bulb / Clear Lens	P4ASL7LB(S)-3PSRR	655.00
<u> </u>	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSRR	425.00
LED Bull.	altera washing after the contestion of		
LED Bulb Please mention the v	oltage required after the ordering code		



	CLIP	ON PLASTIC SERIES				
TWIN ILLUMINATED	ACTUATORS WITH LED					
	TYPE COLOUR ORDERING CODE WITH					
	Twin Illuminated 1 Flu	sh, 1 Projecting, (IO) Mar	k			
	LED Bulb, BA9S type 24V AC/DC, 110VAC,	Green Red	P4ATL5LBF3P4 (IO)	330.00		
	110VDC, 230VAC, 220VDC	Amber Lens / Amber LED				
	Please mention the voltage req					
All a variable CCC	Twin Illuminated Doul	ole Flush, (IO) Mark				
	LED Bulb, BA9S type	Green				
	24V AC/DC, 110VAC,	Red	P4ATL5LBF3F4 (IO)	330.00		
	110VDC, 230VAC, 220VDC	Amber Lens / Amber LED				
LED Bulb	Please mention the voltage req	uired after the ordering code				



# Control & Signalling Devices 22.5 Ø

	CLIP ON	PLASTIC SERIES	5		
MUSHROOM ILLUMINATED ACTUATORS, LATCHING, WITH LED BULB					
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB	
	Mushroom Illumina Lock - Turn to relea		Trigger Type, Pres	s to	
AND THE CONTROL OF TH	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	P4ALMLT4LB	605.00	
LED Bulb	Please mention the voltage	Please mention the voltage required after the ordering code			
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB	
	Mushroom Illuminated Actuator, Trigger Type, Push to Lock - Pull to release				
No. THE MAN CO.	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	rdering code		



	CI	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, 110VDC, 230VAC, 220VDC	White LED Bulb / White Lens Green LED Bulb / Green Lens	P4PLB1LB(S) P4PLB3LB	425.00 215.00
		Red LED Bulb / Red Lens Amber LED Bulb / Amber Lens	P4PLB4LB P4PLB5LB	215.00 215.00
ANALON THE SOURCE CE.  RADOR ALLHE YEL  SECON SHAPPING		Blue LED Bulb / Blue Lens	P4PLB6LB	450.00
poly		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		



	CLIP ON PLASTIC SER		
CONTACT ELEMENTS	6		
	ТҮРЕ	ORDERING CODE	PRICE IN Rs.
	PANEL MOUNTING		
THE	NORMALLY OPEN (NO) SILVER CONTACT	C1	72.50
Sim Transport CC  The state of	NORMALLY CLOSED (NC) SILVER CONTACT	C2	72.50
THE THE TELL AND T	NORMALLY OPEN (NO) GOLD CONTACT	C3	195.00
THE THE SECTION OF TH	NORMALLY CLOSED (NC) GOLD CONTACT	C4	195.00
	BASE MOUNTING		
CONTROL CONTROL OF THE CONTROL OF TH	NORMALLY OPEN (NO) SILVER CONTACT	C5	72.50
THE THE PARTY OF T	NORMALLY CLOSED (NC) SILVER CONTACT	C6	72.50
_			
THESE TO	NORMALLY OPEN (NO) GOLD CONTACT	C7	195.00
THE THE PROPERTY OF THE PROPE	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 N	ontact Elements IO = 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	RZ Q
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	1122
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 12 130
Pilot Light with LED bulb for 230V AC Bulb: 230V	P4PLLA5	Amber	4LHLB230	P4PLB5LB230	80 80 81 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