TEKNIC

LR 3)

Control and Signaling Devices Ø 22.5 Clip on Plastic Series MRP with effect from 01.11.2021



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

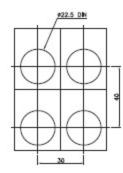
Contact elements and pilot lights are designed to have shrouded terminals with combi screws.

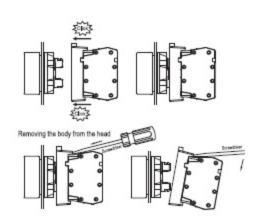
The Ø 22,5 P4 Clip on series control devices can be fixed in any position on panels of 1 to 5 mm thickness.

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



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CLIP ON PLASTIC SERIES						
MOMENTARY ACTUATORS						
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs.		
		White	P4AF1	57.50		
		Black	P4AF2	57.50		
	Flush	Green	P4AF3	57.50		
		Red	P4AF4	57.50		
		Blue	P4AF6	57.50		
		Yellow	P4AF8	57.50		
	Flush with	White	P4AF1BA	77.00		
	Arrow marking	Black	P4AF2WA	77.00		
		+				
		White	P4AP1	57.50		
		Black	P4AP4	57.50		
	Projecting	Green	P4AP3	57.50		
		Red	P4AP4	57.50		
		Blue	P4AP6	57.50		
		Yellow	P4AP8	57.50		
) A / la : t a	D4454DD	75.00		
		White Black	P4AF1RR			
	Fluck Balan		P4AF2RR	75.00		
	Flush Relay	Green Red	P4AF3RR	75.00 75.00		
	Reset Actuators	Blue	P4AF4RR P4AF6RR	75.00		
		Yellow	P4AF8RR	75.00		
		Tellow	F4AI ONN	73.00		
		White	P4AF12BT7	117.50		
		Black	P4AF22BT7	117.50		
	Booted	Green	P4AF32BT7	117.50		
		Red	P4AF42BT7	117.50		
		Blue	P4AF62BT7	117.50		
		Yellow	P4AF82BT7	117.50		



CLIP ON PLASTIC SERIES MUSHROOM HEAD ACTUATORS TYPE **COLOUR ORDERING CODE** PRICE IN Rs. 126.00 Latching Black P4AMLS2 P4AMLS4 126.00 Ø 30mm Red Black P4AM2 91.50 Momentary Green P4AM3 91.50 Ø 40mm Red P4AM4 91.50 Blue P4AM6 91.50 Yellow 91.50 P4AM8 **Push Pull Black** P4AMPP4 126.00 Ø 40 mm Red P4AMPP4 126.00 126.00 Latching Black P4AML2 P4AML4 Ø 40mm Red 126.00 Latching Black P4AMLKB2 253.00 253.00 with Key Red P4AMLKB4 Ø 40mm



CLIP ON PLASTIC SERIES MUSHROOM HEAD ACTUATORS **TYPE COLOUR ORDERING CODE** PRICE IN Rs. Trigger type Black P4AMLT2 189.50 189.50 **Press to Lock** Red P4AMLT4 turn to release Ø 40 mm Trigger type P4AMLTKB2 315.00 Black 315.00 Press to Lock Red P4AMLTKB4 key to release Ø 40 mm Black P4AMJ2 124.50 124.50 Momentary Green P4AMJ3 Ø 60mm Red P4AMJ4 124.50 Blue P4AMJ6 124.50 Yellow P4AMJ8 124.50 **Push Pull** Black P4AMPPJ2 164.00 Ø 60 mm Red P4AMPPJ4 164.00 Latching P4AMLJ2 164.00 Black Ø 60mm P4AMLJ4 164.00 Red



CLIP ON PLASTIC SERIES SELECTOR ACTUATORS TYPE COLOUR ORDERING CODE PRICE IN Rs. Selector 176.00 2 position Black P4AS2-2P LATCHING with ext. knob P4AS2E-2P 176.00 P4AS2-2PSR 176.00 2 position Black **MOMENTARY** with ext. knob P4AS2E-2PSR 176.00 P4AS2-3P 3 position Black 176.00 **STAY PUT** with ext. knob P4AS2E-3P 176.00 **MOMENTARY** P4AS2-3PSR 190.50 **Black** on both sides with ext. knob 190.50 P4AS2E-3PSR MOMENTARY P4AS2-3PSRR Black 190.50 on right with ext. knob P4AS2E-3PSRR 190.50 **MOMENTARY** P4AS2-3PSRL 190.50 Black on left with ext. knob P4AS2E-3PSRL 190.50



CLIP ON PLASTIC SERIES KEY SELECTOR ACTUATORS TYPE COLOUR ORDERING CODE PRICE IN Rs. 242.00 P4AK2-2PB 2 Position P4AK2-2PO 242.00 Stayput Black P4AK2-2PI 242.00 Spring Return 242.00 P4AK2-2POSR P4AK2-3PA 253.00 3 Position Black P4AK2-3PB 253.00 Stayput P4AK2-3PC 253.00 Spring Return 253.00 P4AK2-3PSR Black 253.00 Right to Centre P4AK2-3PSRR Left to Centre P4AK2-3PSRL 253.00 * 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 108.00 P4ATF3F4 w/o IO Mark Red **Double Flush** Green P4ATF3F4(IO) 108.00 with IO Mark Red 1 Flush, Green 1 Projecting 108.00 P4ATF3P4 Red w/o IO Mark 1 Flush, Green 1 Projecting P4ATF3P4(IO) 108.00 Red with IO Mark



ILLIMINATED MON	C IENTARY ACTUATORS W	LIP ON PLASTIC SERIES		
LEGIVIII VATED IVIOIV	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Illuminated Flush, N	/lomentary		
Management of a second of the	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC 230VAC, 220VDC	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 White LED Bulb / Clear Lens Yellow LED Bulb / Yellow Lens	P4ALF1LB(S) P4ALF3LB P4ALF4LB P4ALF5LB P4ALF6LB P4ALF7LB(S) P4ALF8LB	408.50 215.00 215.00 215.00 432.50 408.50 215.00
LED Bulb	Please mention the voltage rec	quired after the ordering code	TALIBED	213.00
	Illuminated Projecti	Ing, Momentary		
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC 230VAC, 220VDC	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 White LED Bulb / Clear Lens Yellow LED Bulb / Yellow Lens	P4ALP1LB(S) P4ALP3LB P4ALP4LB P4ALP5LB P4ALP6LB P4ALP7LB(S) P4ALP8LB	408.50 215.00 215.00 215.00 432.50 408.50 215.00
LED Bulb	Please mention the voltage rec	guired after the ordering code	<u> </u>	



	C	LIP ON PLASTIC SERIES		
LLUMINATED SELE	CTOR ACTUATOR WITH	LED BULB		
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	2 Position illumina	ited selector actuator		
	LED Bully BAOS tyme	White LED Bulb / White Lens	P4ASL1LB(S)-2P	528.00
	LED Bulb BA9S type 24V AC/DC,	Green LED Bulb / Green Lens	P4ASL1LB(S)-2P P4ASL3LB-2P	333.50
	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ASL4LB-2P	333.50
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-2P	333.50
		Blue LED Bulb / Blue Lens	P4ASL6LB-2P	552.50
	٥, ٥	White LED Bulb / Clear Lens	P4ASL7LB(S)-2P	528.00
	•	Yellow LED Bulb / Yellow Lens	P4ASL8LB-2P	333.00
	Please mention the voltage r	equired after the ordering code		
Section Section 2	LED Bulb BA9S type	White LED Bulb / White Lens	P4ASL1LB(S)-2PSR	528.00
	24V AC/DC,	Green LED Bulb / Green Lens	P4ASL3LB-2PSR	333.50
	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ASL4LB-2PSR	333.50
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-2PSR	333.50
	0 0	Blue LED Bulb / Blue Lens	P4ASL6LB-2PSR	552.50
	445	White LED Bulb / Clear Lens	P4ASL7LB(S)-2PSR	528.00
		Yellow LED Bulb / Yellow Lens	P4ASL8LB-2PSR	333.00
LED Bulb	Please mention the voltage r	equired after the ordering code		



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		IP ON PLASTIC SERIES		
ILLUMINATED SELECT				
ILLOWINATED SELEC	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	3 Position Illumina	ted Selector Actuator		
	Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3P	541.50
	LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3P	348.00
	24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3P	348.00
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3P	348.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3P	567.00
	999	White LED Bulb/ Clear Lens	P4ASL7LB(S)-3P	541.50
		Yellow LED Bulb / Yellow Lens	P4ASL8LB-3P	348.00
	Please mention the voltage re	quired after the ordering code		
		WI : 150 D II / WI : 1	DAAGIALD/G\ 2000	554.50
	Momentary	White LED Bulb / White Lens	P4ASL1LB(S)-3PSR	551.50
	LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSR	356.50
	24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSR	356.50
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSR	356.50
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSR	575.50
	0,000	White LED Bulb / Clear Lens Yellow LED Bulb / Yellow Lens	P4ASL7LB(S)-3PSR P4ASL8LB-3PSR	551.50 356.50
	Please mention the voltage re	quired after the ordering code	1 1/102025 31 31	330.30
A STATE OF THE STA				
and desired the same of	Momentary / Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3PSRL	551.50
	LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSRL	356.50
	24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSRL	356.50
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSRL	356.50
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSRL	575.50
	0,0	White LED Bulb/ Clear Lens	P4ASL7LB(S)-3PSRL	551.50
	- V	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSRL	356.50
	Please mention the voltage re	quired after the ordering code		
	Momentary / Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3PSRR	551.50
	LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSRR	356.50
	24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSRR	356.50
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSRR	356.50
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSRR	575.50
	800 91891 2002	White LED Bulb / Clear Lens	P4ASL7LB(S)-3PSRR	551.50
	0.000	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSRR	356.50
		2 2 7 12::01: 20::0		
LED Bulb	Please mention the voltage re	quired after the ordering code		



	CLIP	ON PLASTIC SERIES		
TWIN ILLUMINATED	ACTUATORS WITH LED			
	ТҮРЕ	PRICE IN Rs. WITH LED BULB		
	Twin Illuminated 1 Flus	sh, 1 Projecting, (IO) Marl	‹	
	LED Bulb, BA9S type 24V AC/DC, 110VAC,	Green Red	P4ATL5LBF3P4 (IO)	278.50
	110VDC, 230VAC, 220VDC	Amber Lens / Amber LED		
A 5. To	Please mention the voltage required			
**************************************	Twin Illuminated Doub	le Flush, (IO) Mark	_	
	LED Bulb, BA9S type	Green		
	24V AC/DC, 110VAC,	Red	P4ATL5LBF3F4 (IO)	278.50
	110VDC, 230VAC, 220VDC	Amber Lens / Amber LED		
LED Bulb	Please mention the voltage required	d after the ordering code	1	



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	CLIP ON	PLASTIC SERIE	S	
MUSHROOM ILLUM	IINATED ACTUATORS, LA	TCHING, WITH	I LED BULB	
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Mushroom Illumina	ted Actuator,	Trigger Type, Press	s to
	Lock - Turn to relea	se		
The state of the s	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	P4ALMLT4LB	507.50
"			<u> </u>	
LED Bulb	Please mention the voltage re	quired after the order	ing code	
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Mushroom Illumina	ated Actuator,	Trigger Type, Push	to
	Lock - Pull to releas	e		
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	P4ALMPPT4LB	507.50
LED Bulb	Please mention the voltage re	quired after the order	ing code	



	CL	IP ON PLASTIC SERIES		
PILOT LIGHTS				
	ТҮРЕ	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Pilot Light with LED	Bulb		
		White LED Bulb / White Lens	P4PLB1LB(S)	383.00
	LED Bully BACK type	Green LED Bulb / Green Lens	P4PLB3LB	188.50
	LED Bulb, BA9S type	Red LED Bulb / Red Lens	P4PLB4LB	188.50
	24V AC/DC, 110VAC,	Amber LED Bulb / Amber Lens	P4PLB5LB	188.50
AND THE PARTY CONTROL OF CONTROL	110VDC, 230VAC,	Blue LED Bulb / Blue Lens	P4PLB6LB	408.50
	220VDC	White LED Bulb / Clear Lens	P4PLB7LB(S)	383.00
		Yellow LED Bulb / Yellow Lens	P4PLB8LB	188.50
LED Bulb	Please mention the voltage re	quired after the ordering code		



	CLIP ON PLASTIC SER		
ONTACT ELEMENT	S		
	ТҮРЕ	ORDERING CODE	PRICE IN Rs.
	PANEL MOUNTING		
THE COLOR OF THE C	NORMALLY OPEN (NO) SILVER CONTACT	C1	63.50
## "PERCHAP" (C	NORMALLY CLOSED (NC) SILVER CONTACT	C2	63.50
TREMER'S C	NORMALLY OPEN (NO) GOLD CONTACT	C3	175.00
m yakuse*(c ⊕ 1	NORMALLY CLOSED (NC) GOLD CONTACT	C4	175.00
	BASE MOUNTING		
m TROUGHE 	NORMALLY OPEN (NO) SILVER CONTACT	C5	63.50
THE THE PROPERTY OF THE PROPER	NORMALLY CLOSED (NC) SILVER CONTACT	C6	63.50
Transfer Co.	NORMALLY OPEN (NO) GOLD CONTACT	C7	175.00
HILL YERGER CC € € ⊕ · · · · · · · · · · · · · · · · ·	NORMALLY CLOSED (NC) GOLD CONTACT	C8	175.00

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	Green	1NO	P4PSF310	82.59
,,	P4AF8	Yellow	2NO+1NC	P4PSF821	
Projecting Pushbutton	P4AP2	Black	2NC	P4PSP202	
	P4AP4	Red	3NO+3NC	P4PSP433	20
Booted Pushbutton	P4AF3+2BT7 G	Green + clear boo	ot 2NO	P4PSF320+2BT7	
2 Constant deliberation	P4AF4+2BT7 R	Red + clear boot	2NC	P4PSF402+2BT7	12,
Mushroom Pushbutton	P4AM2	Black	1NO+1NC	P4PSM211	97
Spring return	P4AM4	Red	1NC	P4PSM401	32
Mushroom Pushbutton	P4AML2	Black	1NC	P4PSML201	9
latching turn to release	P4AML4	Red	2NO+2NC	P4PSML422	S 32 32
Mushroom Pushbutton latching, key to release	P4AMLKB4	Red	1NO+1NC	P4PSMLKB411	
Selector Actuator (2 Pos)	P4AS2-2P	Black	1NO	P4PSS210-2P	
Selector Actuator (3 Pos)	P4AS2-3P	Black	1NO+1NC	P4PSS211-3P	27
Key Actuator (2 Pos), key removable in both positions	e P4AK2-2PB		1NO	P4PSK210-2PB	
Key Actuator (3 Pos), key removable in left & right positions	P4AK2-3PB		1NO+1NC	P4PSK211-3PB	24,21
Twin Pushbutton marked "I O"	P4ATF2-F4-IO	Flush-Gree	en 1 NO	P4PSTF310-F401-I0	
Flush - Flush	14411214-10	Flush-Red	1 NC	141011010140110	11
Flush Illuminated Pushbutton with multichip LED bulb, direct connection	P4ALF3LB24D	OC Green	1NO+1NC	P4PSLF3LB1124	19
Twin Luminous Pushbutton Without "I O"making Flush - Flush with LED Bulb (240V AC)	P4ATL5LB-F3 -F4230AC	Lense-Amb Flush-Gree Flush-Red		P4PSTL5LBF310-F401230 <i>P</i>	
Pilot Light with LED bulb for 230V AC Bulb: 230V	P4PLLA5	Amber	4LHLB230	P4PLB5LB230	62 0



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