



Control and Signaling Devices Ø 22.5 Clip on
Plastic Series MRP with effect from 10.07.2024



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:

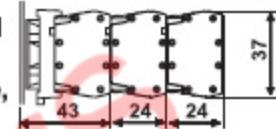
- Economy of space
- Simple to fix-Snap fitting
- Very good flame resistance
- Resistant to corrosion
- Aesthetically elegant
- Safe in operation
- Shrouded terminals
- Robust in materials of construction
- Fixing method unaffected by excessive vibration unit does not rotate
- Protection against electrical 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.

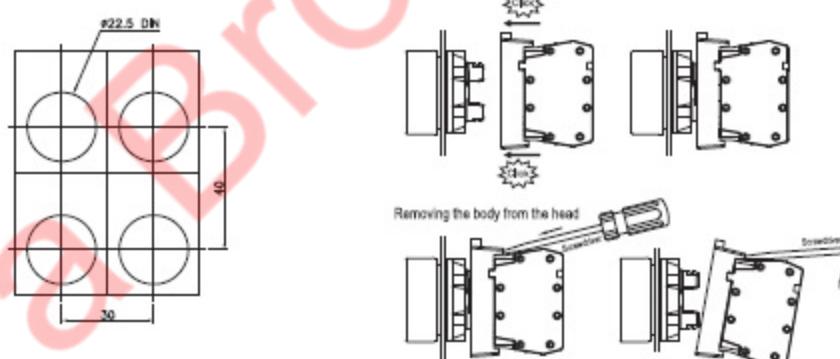
Fixing

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

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

: AC 15 4 A, 415 V AC

As per IEC 60947 - 5 - 1

DC 13 0.5 A, 110 V DC

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, load factor 0.5)

AC 15	V	24	120	230	DC 13	V	24	110
	A	4	3	2		A	0.5	0.2

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) : 50,000 hours



MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

MOMENTARY ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
		White	P4AF1	65.00
		Black	P4AF2	65.00
	Flush	Green	P4AF3	65.00
		Red	P4AF4	65.00
		Blue	P4AF6	65.00
		Yellow	P4AF8	65.00
	Flush with Arrow marking	White	P4AF1BA	95.00
		Black	P4AF2WA	95.00
		White	P4AP1	65.00
		Black	P4AP4	65.00
	Projecting	Green	P4AP3	65.00
		Red	P4AP4	65.00
		Blue	P4AP6	65.00
		Yellow	P4AP8	65.00
		White	P4AF1RR	90.00
		Black	P4AF2RR	90.00
	Flush Relay	Green	P4AF3RR	90.00
	Reset Actuators	Red	P4AF4RR	90.00
		Blue	P4AF6RR	90.00
		Yellow	P4AF8RR	90.00
		White	P4AF12BT7	140.00
		Black	P4AF22BT7	140.00
	Booted	Green	P4AF32BT7	140.00
		Red	P4AF42BT7	140.00
		Blue	P4AF62BT7	140.00
		Yellow	P4AF82BT7	140.00



MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

MUSHROOM HEAD ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.	
	Latching	Black	P4AMLS2	150.00	
	Ø 30mm	Red	P4AMLS4	150.00	
	Momentary	Black	P4AM2	110.00	
	Ø 40mm	Green	P4AM3	110.00	
		Red	P4AM4	110.00	
		Blue	P4AM6	110.00	
		Yellow	P4AM8	110.00	
	Push Pull	Black	P4AMPP4	150.00	
	Ø 40 mm	Red	P4AMPP4	150.00	
	Latching	Black	P4AML2	150.00	
	Ø 40mm	Red	P4AML4	150.00	
	Latching	Black	P4AMLKB2	295.00	
	with Key	Red	P4AMLKB4	295.00	
	Ø 40mm				



MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

MUSHROOM HEAD ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Trigger type	Black	P4AMLT2	225.00
	Press to Lock	Red	P4AMLT4	225.00
	turn to release			
	Ø 40 mm			
	Trigger type	Black	P4AMLTKB2	365.00
	Press to Lock	Red	P4AMLTKB4	365.00
	key to release			
	Ø 40 mm			
		Black	P4AMJ2	150.00
	Momentary	Green	P4AMJ3	150.00
	Ø 60mm	Red	P4AMJ4	150.00
		Blue	P4AMJ6	150.00
		Yellow	P4AMJ8	150.00
	Push Pull	Black	P4AMPPJ2	190.00
	Ø 60 mm	Red	P4AMPPJ4	190.00
	Latching	Black	P4AMLJ2	190.00
	Ø 60mm	Red	P4AMLJ4	190.00



MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

SELECTOR ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Selector			
	2 position			
	LATCHING			
	with ext. knob			
			P4AS2E-2P	202.00
	2 position			
	MOMENTARY			
	with ext. knob			
	3 position			
	STAY PUT			
	with ext. knob			
			P4AS2E-3P	202.00
	MOMENTARY			
	on both sides			
	with ext. knob			
	MOMENTARY			
	on right			
	with ext. knob			
			P4AS2E-3PSR	221.00
	MOMENTARY			
	on left			
	with ext. knob			
	MOMENTARY			
	on left			
	with ext. knob			
			P4AS2E-3PSRL	221.00



MRP w.e.f. 10.07.2024
Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

KEY SELECTOR ACTUATORS

TYPE		COLOUR	ORDERING CODE	PRICE IN Rs.
2 Position Stayput		Black	P4AK2-2PB	285.00
			P4AK2-2PO	285.00
			P4AK2-2PI	285.00
Spring Return		Black	P4AK2-2POSR	285.00
3 Position Stayput		Black	P4AK2-3PA	300.00
		Black	P4AK2-3PB	300.00
		Black	P4AK2-3PC	300.00
Spring Return		Black	P4AK2-3PSR	300.00
Right to Centre		Black	P4AK2-3PSRR	300.00
Left to Centre		Black	P4AK2-3PSRL	300.00

* X stands for position in which key is removable





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CLIP ON PLASTIC SERIES

TWIN ACTUATORS

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs.
	Double Flush w/o IO Mark			
		Green	P4ATF3F4	135.00
		Red		
	Double Flush with IO Mark			
		Green	P4ATF3F4(IO)	135.00
		Red		
	1 Flush, 1 Projecting w/o IO Mark			
		Green	P4ATF3P4	135.00
		Red		
	1 Flush, 1 Projecting with IO Mark			
		Green	P4ATF3P4(IO)	135.00
		Red		



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Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

ILLUMINATED MOMENTARY ACTUATORS WITH LED BULB

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
Illuminated Flush, Momentary				
	LED Bulb, BA9S type	White LED Bulb / White Lens	P4ALF1LB(S)	475.00
	24V AC/DC,	Green LED Bulb / Green Lens	P4ALF3LB	255.00
	110VAC, 110VDC	Red LED Bulb / Red Lens	P4ALF4LB	255.00
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ALF5LB	255.00
		Blue LED Bulb / Blue Lens	P4ALF6LB	500.00
		White LED Bulb/ Clear Lens	P4ALF7LB(S)	475.00
		Yellow LED Bulb / Yellow Lens	P4ALF8LB	255.00
LED Bulb	Please mention the voltage required after the ordering code			
Illuminated Projecting, Momentary				
		White LED Bulb / White Lens	P4ALP1LB(S)	475.00
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	P4ALP3LB	255.00
	24V AC/DC,	Red LED Bulb / Red Lens	P4ALP4LB	255.00
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ALP5LB	255.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ALP6LB	500.00
		White LED Bulb/ Clear Lens	P4ALP7LB(S)	475.00
		Yellow LED Bulb / Yellow Lens	P4ALP8LB	255.00
LED Bulb	Please mention the voltage required after the ordering code			

Mumbai



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Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

ILLUMINATED SELECTOR ACTUATOR WITH LED BULB

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
2 Position illuminated selector actuator				
LED Bulb BA9S type	White LED Bulb / White Lens	P4ASL1LB(S)-2P	645.00	
24V AC/DC,	Green LED Bulb / Green Lens	P4ASL3LB-2P	410.00	
110VAC, 110VDC	Red LED Bulb / Red Lens	P4ASL4LB-2P	410.00	
230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-2P	410.00	
Q --- O	Blue LED Bulb / Blue Lens	P4ASL6LB-2P	675.00	
	White LED Bulb / Clear Lens	P4ASL7LB(S)-2P	645.00	
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-2P	410.00	
Please mention the voltage required after the ordering code				
LED Bulb BA9S type	White LED Bulb / White Lens	P4ASL1LB(S)-2PSR	645.00	
24V AC/DC,	Green LED Bulb / Green Lens	P4ASL3LB-2PSR	410.00	
110VAC, 110VDC	Red LED Bulb / Red Lens	P4ASL4LB-2PSR	410.00	
230VAC, 220VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-2PSR	410.00	
Q --- O	Blue LED Bulb / Blue Lens	P4ASL6LB-2PSR	675.00	
	White LED Bulb / Clear Lens	P4ASL7LB(S)-2PSR	645.00	
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-2PSR	410.00	
LED Bulb	Please mention the voltage required after the ordering code			



MRP w.e.f. 10.07.2024
Control & Signalling Devices 22.5 Ø
CLIP ON PLASTIC SERIES
ILLUMINATED SELECTOR WITH LED BULB

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
3 Position Illuminated Selector Actuator				
Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3P	665.00	
LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3P	435.00	
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3P	435.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3P	435.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3P	690.00	
	White LED Bulb/ Clear Lens	P4ASL7LB(S)-3P	665.00	
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3P	435.00	
Please mention the voltage required after the ordering code				
Momentary	White LED Bulb / White Lens	P4ASL1LB(S)-3PSR	675.00	
LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSR	440.00	
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSR	440.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSR	440.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSR	700.00	
	White LED Bulb / Clear Lens	P4ASL7LB(S)-3PSR	675.00	
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSR	440.00	
Please mention the voltage required after the ordering code				
Momentary / Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3PSRL	675.00	
LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSRL	440.00	
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSRL	440.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSRL	440.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSRL	700.00	
	White LED Bulb/ Clear Lens	P4ASL7LB(S)-3PSRL	675.00	
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSRL	440.00	
Please mention the voltage required after the ordering code				
Momentary / Stayput	White LED Bulb / White Lens	P4ASL1LB(S)-3PSRR	675.00	
LED Bulb BA9S type	Green LED Bulb / Green Lens	P4ASL3LB-3PSRR	440.00	
24V AC/DC,	Red LED Bulb / Red Lens	P4ASL4LB-3PSRR	440.00	
110VAC, 110VDC	Amber LED Bulb / Amber Lens	P4ASL5LB-3PSRR	440.00	
230VAC, 220VDC	Blue LED Bulb / Blue Lens	P4ASL6LB-3PSRR	700.00	
	White LED Bulb / Clear Lens	P4ASL7LB(S)-3PSRR	675.00	
	Yellow LED Bulb / Yellow Lens	P4ASL8LB-3PSRR	440.00	
LED Bulb	Please mention the voltage required after the ordering code			





MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

TWIN ILLUMINATED ACTUATORS WITH LED

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB		
	Twin Illuminated 1 Flush, 1 Projecting, (IO) Mark					
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green	P4ATL5LBF3P4 (IO)	340.00		
		Red				
		Amber Lens / Amber LED				
Please mention the voltage required after the ordering code						
	Twin Illuminated Double Flush, (IO) Mark					
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Green	P4ATL5LBF3F4 (IO)	340.00		
		Red				
		Amber Lens / Amber LED				
LED Bulb	Please mention the voltage required after the ordering code					



MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

MUSHROOM ILLUMINATED ACTUATORS, LATCHING, WITH LED BULB

	TYPE	COLOUR	ORDERING CODE	PRICE IN Rs. WITH LED BULB
	Mushroom Illuminated Actuator, Trigger Type, Press to Lock - Turn to release			
	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC, 230VAC, 220VDC	Red	P4ALMLT4LB	625.00
LED Bulb	Please mention the voltage required after the ordering code			
	TYPE	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	625.00
LED Bulb	Please mention the voltage required after the ordering code			



MRP w.e.f. 10.07.2024

Control & Signalling Devices 22.5 Ø

CLIP ON 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	P4PLB1LB(S)	435.00
		Green LED Bulb / Green Lens	P4PLB3LB	220.00
		Red LED Bulb / Red Lens	P4PLB4LB	220.00
		Amber LED Bulb / Amber Lens	P4PLB5LB	220.00
		Blue LED Bulb / Blue Lens	P4PLB6LB	465.00
		White LED Bulb / Clear Lens	P4PLB7LB(S)	435.00
		Yellow LED Bulb / Yellow Lens	P4PLB8LB	220.00
LED Bulb	Please mention the voltage required after the ordering code			

Mundhra BHD



MRP w.e.f. 10.07.2024
Control & Signalling Devices 22.5 Ø

CLIP ON PLASTIC SERIES

CONTACT ELEMENTS

	TYPE	ORDERING CODE	PRICE IN Rs.
PANEL MOUNTING			
	NORMALLY OPEN (NO) SILVER CONTACT	C1	80.00
	NORMALLY CLOSED (NC) SILVER CONTACT	C2	80.00
	NORMALLY OPEN (NO) GOLD CONTACT	C3	215.00
	NORMALLY CLOSED (NC) GOLD CONTACT	C4	215.00
BASE MOUNTING			
	NORMALLY OPEN (NO) SILVER CONTACT	C5	80.00
	NORMALLY CLOSED (NC) SILVER CONTACT	C6	80.00
	NORMALLY OPEN (NO) GOLD CONTACT	C7	215.00
	NORMALLY CLOSED (NC) GOLD CONTACT	C8	215.00

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

Description	Type of Actuator or Lense Assembly	Colour of Actuator or Lense	Contact Elements NO = C1 NC = C2 or Lamp Holder	Type of complete Control or Signalling Device	Diagram
Flush Pushbutton	P4AF3	Green	1NO	P4PSF310	
	P4AF8	Yellow	2NO+1NC	P4PSF821	
Projecting Pushbutton	P4AP2	Black	2NC	P4PSP202	
	P4AP4	Red	3NO+3NC	P4PSP433	
Booted Pushbutton	P4AF3+2BT7	Green + clear boot	2NO	P4PSF320+2BT7	
	P4AF4+2BT7	Red + clear boot	2NC	P4PSF402+2BT7	
Mushroom Pushbutton Spring return	P4AM2	Black	1NO+1NC	P4PSM211	
	P4AM4	Red	1NC	P4PSM401	
Mushroom Pushbutton latching turn to release	P4AML2	Black	1NC	P4PSML201	
	P4AML4	Red	2NO+2NC	P4PSML422	
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	
Key Actuator (2 Pos), key removable in both positions Key Actuator (3 Pos), key removable in left & right positions	P4AK2-2PB		1NO	P4PSK210-2PB	
	P4AK2-3PB		1NO+1NC	P4PSK211-3PB	
Twin Pushbutton marked "I O" Flush - Flush	P4ATF2-F4-IO	Flush-Green	1 NO	P4PSTF310-F401-IO	
		Flush-Red	1 NC		
Flush Illuminated Pushbutton with multichip LED bulb, direct connection	P4ALF3LB24DC	Green	1NO+1NC	P4PSLF3LB1124	
Twin Luminous Pushbutton Without "I O"making Flush - Flush with LED Bulb (240V AC)	P4ATL5LB-F3 -F4230AC	Lense-Amber Flush-Green Flush-Red	1 NO 1 NC	P4PSTL5LBF310-F401230AC	
Pilot Light with LED bulb for 230V AC Bulb: 230V	P4PLLA5	Amber	4LHLB230	P4PLB5LB230	



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