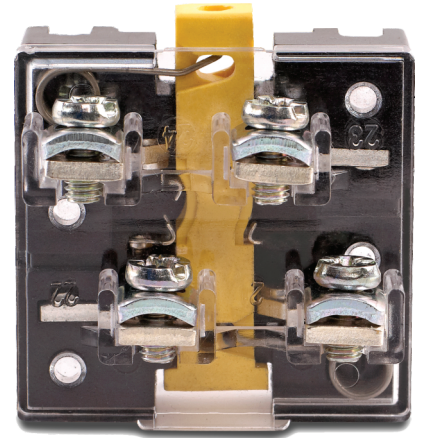


TEKNIC

CE 

Control and Signaling Devices Ø 30.5 Series



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
Terminal capacity	: Maximum 2x1.5mm ² : Minimum 1X0.5mm ²
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

1. Actuators, 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	5-7

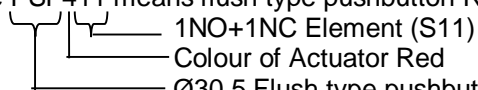
LEGEND PLATES

Legend plates are supplied with the following standards texts

START	FORWARD	UP	ON	OPEN	AUTO	SLOW	RESET
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 

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Control & Signalling Devices 30.5 Ø


NON ILLUMINATED ACTUATOR

	TYPE	COLOUR	ORDERING CODE	Price in Rs.
		White	AF1	102.00
	Flush Momentary	Black	AF2	102.00
		Green	AF3	102.00
		Red	AF4	102.00
		Blue	AF6	102.00
		Yellow	AF8	102.00
		White	AP1	102.00
	Projecting Momentary	Black	AP2	102.00
		Green	AP3	102.00
		Red	AP4	102.00
		Blue	AP6	102.00
		Yellow	AP8	102.00
		Black	AB2	153.00
	Booted Momentary	Green	AB3	153.00
		Red	AB4	153.00
		Blue	AB6	153.00
		Yellow	AB8	153.00
		Black	AM2	106.00
	Mushroom Momentary Head Ø 40mm	Red	AM4	106.00
		Black	AMJ2	171.00
	Jumbo Mushroom Momentary Head Ø 60mm	Red	AMJ4	171.00

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Control & Signalling Devices 30.5 Ø

NON ILLUMINATED ACTUATOR				
	TYPE	COLOUR	ORDERING CODE	Price in Rs.
	MUSHROOM HEAD			
	Mushroom	Black	AML2	157.00
	Latching	Red	AML4	157.00
	Head Ø 40mm			
	Jumbo Mushroom	Black	AMLJ2	224.00
	Latching	Red	AMLJ4	224.00
	Head Ø 60mm			
	Key Mushroom			
	Latching	Red	AMLKB4	308.00
	Head Ø 40mm			
	SELECTOR			
	2 Position STAY PUT	Black	AS2-2P	214.00
				
	2 Position MOMENTARY	Black	AS2-2PSR	214.00
				
	3 Position STAY PUT	Black	AS2-3P	214.00
				

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Control & Signalling Devices 30.5 Ø

NON ILLUMINATED ACTUATOR




TYPE	COLOUR	ORDERING CODE	Price in Rs.
KEY SELECTOR			
2 Position Stayput		AK-2PB	295.00
		AK-2PO	295.00
		AK-2PI	295.00
Spring Return		AK-2POSR	295.00
3 Position Key Stayput		AK-3PA	310.00
		AK-3PB	310.00
		AK-3PO	310.00
		AK-3PI	310.00
* X stands for position in which key is removable			



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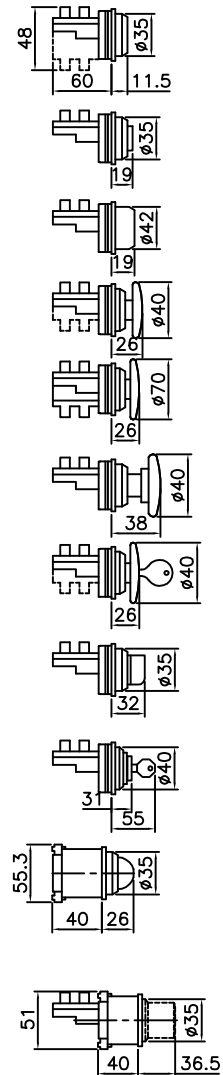
Control & Signalling Devices 30.5 Ø

ILLUMINATED FLUSH ACTUATOR WITH LED BULB					
	Type	COLOUR	ORDERING CODE	Price in Rs. with Int. LED	Price in Rs. with LED Bulb
	Illuminated Flush Actuator, Spring Return				
	LED Bulb, MCB15 type	White LED Bulb / White Lens	ALF1LB(S)		460.00
	24V AC/DC,	Green LED Bulb / Green Lens	ALF3LB		265.00
	110VAC, 110VDC,	Red LED Bulb / Red Lens	ALF4LB		265.00
	230VAC, 220VDC	Amber LED Bulb / Amber Lens	ALF5LB		265.00
		Blue LED Bulb / Blue Lens	ALF6LB		480.00
		White LED Bulb/ Clear Lens	ALF7LB(S)		460.00
		Yellow LED Bulb / Yellow Lens	ALF8LB		265.00
LED Bulb	Please mention the voltage required after the ordering code				
PILOT LIGHT					
	Integral LED	White LED / White Lens	PLBR1L(S)	325.00	
	6V, 12V, 24V, 48V AC/DC	Green LED / Green Lens	PLBR3L	220.00	
	110VAC, 110VDC,	Red LED / Red Lens	PLBR4L	220.00	
	230VAC, 220VDC	Amber LED / Amber Lens	PLBR5L	220.00	
		Blue LED / Blue Lens	PLBR6L	440.00	
		White LED / Clear Lens	PLBR7L(S)	325.00	
		Yellow LED / Yellow Lens	PLBR8L	220.00	
Integral LED	Please mention the voltage required after the ordering code				
		White LED Bulb / White Lens	PLB1LB(S)		425.00
	LED Bulb, MCB15 type	Green LED Bulb / Green Lens	PLB3LB		235.00
	24V AC/DC,	Red LED Bulb / Red Lens	PLB4LB		235.00
	110VAC, 110VDC	Amber LED Bulb / Amber Lens	PLB5LB		235.00
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	PLB6LB		450.00
		White LED Bulb/ Clear Lens	PLB7LB(S)		425.00
		Yellow LED Bulb / Yellow Lens	PLB8LB		235.00
LED Bulb	Please mention the voltage required after the ordering code				

Control and signalling devices $\phi 30.5$

Some common types

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
Projecting Pushbutton	AP2	Black	1NO + 1NC	PSP211
	AP4	Red	3NO + 3NC	PSP433
Booted Pushbutton	AB3	Green	1NO + 1NC	PSB311
	AB4	Red	2NO + 2NC	PSB422
Mushroom Pushbutton (Spring return)	AM2	Black	1NO + 1NC	PSM211
Mushroom Jumbo Pushbutton (Spring return)	AMJ4	Red	4NO + 4NC	PSMJ444
Mushroom Pushbutton Latching. Turn to Release.	AML2	Black	1NO + 1NC	PSML211
	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
Pilot Light for direct connection upto 230V (LED Bulb)		Red		PLB4LB (240V AC)
Pilot Light through series resistor for 230V (LED Bulb)		Green		PLBR3LB (240V AC)
Illuminated Pushbutton direct connection upto 230V (LED Bulb)	AL5LB	Amber	1NO + 1NC	PSL5LB11 (230V)



Other products include terminals, appliance controlgear and $\phi 22.5$ controlgear products

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GENERAL TERMS AND CONDITIONS

PRICES : Prices are ex-works Mumbai

TAXES : 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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