

# TEKNIC



Control and Signaling Devices Ø 22.5 Metal Series





## Control and signalling devices Ø 22.5

### Salient features

This range of Ø 22.5 pushbuttons, selector switches, illuminated switches, illuminated selector switches and pilot lights have been designed to provide the following salient features:

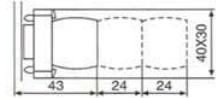
- Economy of space
- Aesthetically elegant
- SELF WIPING CONTACT
- Robust in materials of construction
- Simple to fix - screw driver is all that required
- Safe in operation
- Fixing method unaffected by excessive vibration-unit does not rotate
- Very good flame resistance
- Protection against electric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

### Actuators

The circular actuators have chrome plated metal bezels, and are 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 follow :

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

Pilot lights and illuminated switches are available with integral LED chips, suitable for operating at various voltages namely 6V, 12V, 24V, 30V, 48V, 63.5V, 110V, 125V, 230V AC or DC and 415V AC. Pilot lights and illuminated actuators are available with LED bulbs (bayonet cap, BA9S design with OAL max. 28 mm) suitable for operating at various voltages namely 24V, 48V, 110V and 230V. On request an extra short circuit protection consisting of built in fuse in the LED modules can be provided. Specific models of pilot lights are available with integral LED chips suitable for operating over wide range of voltage 24V to 230V AC or DC.

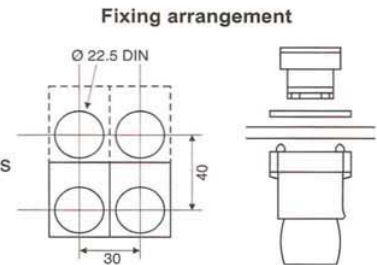
Pilot lights are available with built in transformers suitable for operating at 230, 110 volts AC input and 6V, 12V and 24V output.

### Terminals

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

### Fixing

The control devices Ø 22.5 can be fixed in any position on panels of 1 to 6 mm thickness. We recommend minimum fixing centers of 30 mm 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 to the holding bracket using a bayonet type of fixing which enables a simple and fast assembly. The complete assembly is locked into position on the panel by two M4 pointed screws on the bracket, tightened equally from the rear. The screws should be tightened adequately to such an extent as to pierce through the paint on the panel from inside. These screws also ensure the earthing of the unit.



### Electrical and mechanical characteristics

#### Environment

Standard conformity	: CSA - C22.2 No. 14-95, UL508, EN 60947 - 5 - 1 2000
Approvals	: CSA - C22.2 No. 14-95, UL508, VDE 0660
Degree of protection	: IP 65 as per IEC 529, NEMA 4X, 12 as per UL 50
Ambient	: - 25 °C to + 70 °C
Operating position	: All positions

#### Contact Block







Rated insulation voltage	: 500 V														
Rated thermal current	: 10 A														
Contact operation	: <b>Self wiping</b> , slow break NO or NC														
Make and break capacity															
As per IEC 947 - 5 - (1) 1990	: AC 15 4 A, 415V AC														
	: DC 13 0.5 A, 110V DC														
As per CSA - C22.2 No. 14-95, UL508,	: A 600 Q600														
Terminal capacity	: minimum 1 x 0.5 mm <sup>2</sup> , maximum 2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>														
Terminal marking	: 1-2 for NC, 3-4 for NO														
Short circuit protection	: 10 A cartridge fuse HRC type, rated for resistive loading														
Mechanical life	: Over 1 million operations														
Electric rating															
(for 1 million operation cycles, operation at 3600 cycles per hour, load factor 0.5)	: AC 15 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>V</td> <td>24</td> <td>120</td> <td>230</td> </tr> <tr> <td>A</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table> DC 13 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>V</td> <td>24</td> <td>110</td> </tr> <tr> <td>A</td> <td>0.5</td> <td>0.2</td> </tr> </table>	V	24	120	230	A	4	3	2	V	24	110	A	0.5	0.2
V	24	120	230												
A	4	3	2												
V	24	110													
A	0.5	0.2													

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

Current consumptions (applicable to all colours)	
24 VAC/DC, 110 VAC & 240 VAC	: max. 20 mA
110 VDC	: max. 15 mA
220 VDC	: max. 10 mA
Service life (at nominal voltage and at ambient temperature of 25 °C)	: 100,000 hours
Voltage limits (nominal voltage)	: < 20% of rated voltage >
Short circuit protection	: on specific request
Terminal capacity	: min. 1 x 0.5 mm <sup>2</sup> , max. 2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>

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MOMENTARY ACTUATORS				
	TYPE	COLOUR	ORDERING CODE	Price in Rs.
		White	2AF1	51.50
	<b>Flush</b>	Black	2AF2	51.50
		Green	2AF3	51.50
		Red	2AF4	51.50
		Blue	2AF6	51.50
		Yellow	2AF8	51.50
		White	2AF1A	66.50
	<b>Flush with arrow marking</b>	Black	2AF2A	66.50
		Green	2AF3A	66.50
		Red	2AF4A	66.50
		Blue	2AF6A	66.50
		Yellow	2AF8A	66.50
		White	2AP1	51.50
	<b>Projecting</b>	Black	2AP2	51.50
		Green	2AP3	51.50
		Red	2AP4	51.50
		Blue	2AP6	51.50
		Yellow	2AP8	51.50
		White	2AP10	66.50
	<b>Projecting with O marking</b>	Black	2AP20	66.50
		Green	2AP30	66.50
		Red	2AP40	66.50
		Blue	2AP60	66.50
		Yellow	2AP80	66.50
		White	2AF1RH	83.00
	<b>Recess head</b>	Black	2AF2RH	83.00
		Green	2AF3RH	83.00
		Red	2AF4RH	83.00
		Blue	2AF6RH	83.00
		Yellow	2AF8RH	83.00
		Black	2AB2	85.00
	<b>Booted</b>	Green	2AB3	85.00
		Red	2AB4	85.00
		Blue	2AB6	85.00
		Yellow	2AB8	85.00

\*All actuators are supplied with fixing flange

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MUSHROOM ACTUATORS				
	TYPE	COLOUR	ORDERING CODE	Price in Rs.
		Black	2AM2	84.50
	<b>Momentary Ø 40mm</b>	Green	2AM3	84.50
		Red	2AM4	84.50
		Blue	2AM6	84.50
		Yellow	2AM8	84.50
	<b>Latching Ø 30mm</b>	Black	2AMLS2	116.50
		Red	2AMLS4	116.50
	<b>Latching Ø 40mm</b>	Black	2AML2	116.50
		Red	2AML4	116.50
	<b>Push-Pull Ø 40mm</b>	Black	2AMPP2	116.50
		Red	2AMPP4	116.50
	<b>Latching with Key Ø 40mm</b>	Black	2AMLKB2	233.50
		Red	2AMLKB4	233.50

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MUSHROOM ACTUATORS				
	TYPE	COLOUR	ORDERING CODE	Price in Rs.
				
	<b>Latching Trigger</b>	Black	2AMLT2	174.50
	<b>Ø 40mm</b>	Red	2AMLT4	174.50
				
	<b>Latching Trigger</b>	Black	2AMLTKB2	292.00
	<b>with key Ø 40mm</b>	Red	2AMLTKB4	292.00
				
	<b>Latching</b>	Black	2AMLJ2	151.50
	<b>Ø 60mm</b>	Red	2AMLJ4	151.50
				
	<b>Push-Pull</b>	Black	2AMPPJ2	151.50
	<b>Ø 60mm</b>	Red	2AMPPJ4	151.50
		Black	2AMJ2	115.00
	<b>Momentary</b>	Green	2AMJ3	115.00
	<b>Ø 60mm</b>	Red	2AMJ4	115.00
		Blue	2AMJ6	115.00
		Yellow	2AMJ8	115.00

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SELECTOR ACTUATORS					
	TYPE		COLOUR	ORDERING CODE	Price in Rs.
	SELECTOR				
	2 position LATCHING		Black	2AS2-2P	162.00
	With ext. knob			2AS2E-2P	162.00
	2 position MOMENTARY		Black	2AS2-2PSR	162.00
	With ext. knob			2AS2E-2PSR	162.00
	3 position STAY PUT		Black	2AS2-3P	162.00
	With ext. knob			2AS2E-3P	162.00
	3 position MOMENTARY on both sides		Black	2AS2-3PSR	176.00
	With ext. knob			2AS2E-3PSR	176.00
	3 position MOMENTARY on right		Black	2AS2-3PSRR	176.00
	With ext. knob			2AS2E-3PSRR	176.00
	3 position MOMENTARY on left		Black	2AS2-3PSRL	176.00
	With ext. knob			2AS2E-3PSRL	176.00

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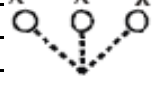

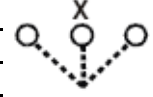

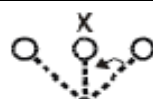

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## KEY SELECTOR



	TYPE		COLOUR	ORDERING CODE	Price in Rs.
	<b>2 POSITION Stayput</b>		Black	2AK2-2PB	224.50
				2AK2-2PO	224.50
				2AK2-2PI	224.50
	<b>Spring Return</b>		Black	2AK2-2POSR	224.50
	<b>3 POSITION Stayput</b>		Black	2AK2-3PA	234.00
				2AK2-3PB	234.00
				2AK2-3PC	234.00
	<b>Spring Return</b>		Black	2AK2-3PSR	234.00
	<b>Spring Return right to centre</b>		Black	2AK2-3PSRR	234.00
<b>Spring Return left to centre</b>		Black	2AK2-3PSRL	234.00	


\* X stands for position in which key is removable

\*All Actualators are supplied with fixing flange



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TWIN ACTUATORS				
	TYPE	COLOUR	ORDERING CODE	Price in Rs.
		Green	2ATF3F4	100.00
	<b>Double Flush</b>	Red		
	<b>w/o IO Mark</b>	Yellow	2ATF8F2	100.00
		Black		
		Green	2ATF3F4(IO)	100.00
	<b>Double Flush</b>	Red		
	<b>with IO Mark</b>	Yellow	2ATF8F2(IO)	100.00
		Black		
		Green	2ATF3P4	100.00
	<b>1 Flush,</b>	Red		
	<b>1 Projecting</b>	Yellow	2ATF8P2	100.00
	<b>w/o IO Mark</b>	Black		
		Green	2ATF3P4(IO)	100.00
	<b>1 Flush,</b>	Red		
	<b>1 Projecting</b>	Yellow	2ATF8P2(IO)	100.00
<b>with IO Mark</b>	Black			



Note : Other colours as per request

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ILLUMINATED FLUSH WITH BULB					
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	<b>Illuminated Flush, Momentary</b>				
		White	2ALF1	111.50	130.50
	<b>Filament Bulb</b>	Green	2ALF3	111.50	130.50
	<b>6V to 130V AC/DC</b>	Red	2ALF4	111.50	130.50
		Amber	2ALF5	111.50	130.50
		Blue	2ALF6	111.50	130.50
		Clear	2ALF7	111.50	130.50
		Yellow	2ALF8	111.50	130.50
Direct Connection	Please mention the voltage required after the ordering code				
		White	2ALRF1	119.00	138.00
	<b>Filament Bulb</b>	Green	2ALRF3	119.00	138.00
	<b>24V, 48V, 110V and 230 V</b>	Red	2ALRF4	119.00	138.00
	<b>AC/DC</b>	Amber	2ALRF5	119.00	138.00
		Blue	2ALRF6	119.00	138.00
		Clear	2ALRF7	119.00	138.00
		Yellow	2ALRF8	119.00	138.00
Connection with Resistor	Please mention the voltage required after the ordering code				
		White	2ALRF1 230V AC	119.00	138.00
	<b>Filament Bulb</b>	Green	2ALRF3 230V AC	119.00	138.00
	<b>230V AC</b>	Red	2ALRF4 230V AC	119.00	138.00
		Amber	2ALRF5 230V AC	119.00	138.00
		Blue	2ALRF6 230V AC	119.00	138.00
		Clear	2ALRF7 230V AC	119.00	138.00
		Yellow	2ALRF8 230V AC	119.00	138.00
Connection with Resistor+Diode					





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ILLUMINATED FLUSH ACTUATOR WITH LED						
	TYPE	COLOUR of LED / LENS	ORDERING CODE	Price in Rs. integral LED	Price in Rs. w/o LED bulb	Price in Rs. with LED bulb
		<b>Illuminated Flush actuator, spring return</b>				
		Yellow LED / White Lens	2ALRF1L	188.00		
	<b>Integral LED</b>	White LED / White Lens	2ALRF1L(S)	316.00		
	<b>6V, 12V, 24V, 48V AC/DC</b>	Green LED / Green Lens	2ALRF3L	188.00		
	<b>110VAC, 110VDC,</b>	Red LED / Red Lens	2ALRF4L	188.00		
	<b>230VAC, 220VDC</b>	Amber LED / Amber Lens	2ALRF5L	188.00		
		Blue LED / Blue Lens	2ALRF6L	408.50		
		Yellow LED / Clear Lens	2ALRF7L	188.00		
		White LED / Clear Lens	2ALRF7L(S)	316.00		
		Yellow LED / Yellow Lens	2ALRF8L	188.00		
Integral	Please mention the voltage required after the ordering code					
		Yellow LED Bulb / White Lens	2ALF1LB		111.50	190.50
	<b>LED Bulb, BA9S type</b>	White LED Bulb / White Lens	2ALF1LB(S)		111.50	355.00
	<b>24V AC/DC,</b>	Green LED Bulb / Green Lens	2ALF3LB		111.50	217.00
	<b>110VAC, 110VDC</b>	Red LED Bulb / Red Lens	2ALF4LB		111.50	190.50
	<b>230VAC, 220VDC</b>	Amber LED Bulb / Amber Lens	2ALF5LB		111.50	190.50
		Blue LED Bulb / Blue Lens	2ALF6LB		111.50	375.50
		Yellow LED Bulb / Clear Lens	2ALF7LB		111.50	190.50
		White LED Bulb / Clear Lens	2ALF7LB(S)		111.50	355.00
		Yellow LED Bulb / Yellow Lens	2ALF8LB		111.50	190.50
Bayonet Bulb	Please mention the voltage required after the ordering code					
		White LED / White Lens	2ALRF1LF	188.00		
	<b>Integral LED</b>	White LED / White Lens	2ALRF1L(S)F	316.00		
	<b>24V, 110V, 230V, AC</b>	Green LED / Green Lens	2ALRF3LF	188.00		
		Red LED / Red Lens	2ALRF4LF	188.00		
		Amber LED / Amber Lens	2ALRF5LF	188.00		
		Blue LED / Blue Lens	2ALRF6LF	408.50		
		Yellow LED / Clear Lens	2ALRF7LF	188.00		
		White LED / Clear Lens	2ALRF7L(S)F	316.00		
	Yellow LED / Yellow Lens	2ALRF8LF	188.00			
Flasher	Please mention the voltage required after the ordering code					

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ILLUMINATED PROJECTING WITH BULB					
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	<b>Illuminated Projecting, Momentary</b>				
		White	2ALP1	111.50	130.50
	<b>Filament Bulb</b>	Green	2ALP3	111.50	130.50
	<b>6V to 130V AC/DC with</b>	Red	2ALP4	111.50	130.50
		Amber	2ALP5	111.50	130.50
		Blue	2ALP6	111.50	130.50
		Clear	2ALP7	111.50	130.50
		Yellow	2ALP8	111.50	130.50
	Direct Connection	Please mention the voltage required after the ordering code			
		White	2ALRP1	119.00	138.00
	<b>Filament Bulb</b>	Green	2ALRP3	119.00	138.00
	<b>24V, 48V, 110V and 230 V</b>	Red	2ALRP4	119.00	138.00
	<b>AC/DC</b>	Amber	2ALRP5	119.00	138.00
		Blue	2ALRP6	119.00	138.00
		Clear	2ALRP7	119.00	138.00
		Yellow	2ALRP8	119.00	138.00
	Connection with Resistor	Please mention the voltage required after the ordering code			
		White	2ALRP1 230V AC	119.00	138.00
	<b>Filament Bulb</b>	Green	2ALRP3 230V AC	119.00	138.00
	<b>230V AC</b>	Red	2ALRP4 230V AC	119.00	138.00
		Amber	2ALRP5 230V AC	119.00	138.00
		Blue	2ALRP6 230V AC	119.00	138.00
		Clear	2ALRP7 230V AC	119.00	138.00
		Yellow	2ALRP8 230V AC	119.00	138.00
	Connection with Resistor+Diode				

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## ILLUMINATED PROJECTING WITH LED

	TYPE	COLOUR	ORDERING CODE	Price in Rs. integral LED	Price in Rs. w/o LED bulb	Price in Rs. with LED bulb
	<b>Illuminated Projecting actuator, spring return</b>					
		Yellow LED / White Lens	2ALRP1L	<b>188.00</b>		
	<b>Integral LED</b>	White LED / White Lens	2ALRP1L(S)	<b>316.00</b>		
	<b>6V, 12V, 24V, 48V AC/DC</b>	Green LED / Green Lens	2ALRP3L	<b>188.00</b>		
	<b>110VAC, 110VDC,</b>	Red LED / Red Lens	2ALRP4L	<b>188.00</b>		
	<b>230VAC, 220VDC</b>	Amber LED / Amber Lens	2ALRP5L	<b>188.00</b>		
		Blue LED / Blue Lens	2ALRP6L	<b>408.50</b>		
		Yellow LED / Clear Lens	2ALRP7L	<b>188.00</b>		
		White LED / Clear Lens	2ALRP7L(S)	<b>316.00</b>		
		Yellow LED / Yellow Lens	2ALRP8L	<b>188.00</b>		
<b>Integral</b>	Please mention the voltage required after the ordering code					
		Yellow LED Bulb / White Lens	2ALP1LB		<b>111.50</b>	<b>190.50</b>
	<b>LED Bulb, BA9S type</b>	White LED Bulb / White Lens	2ALP1LB(S)		<b>111.50</b>	<b>355.00</b>
	<b>24V AC/DC,</b>	Green LED Bulb / Green Lens	2ALP3LB		<b>111.50</b>	<b>217.00</b>
	<b>110VAC, 110VDC</b>	Red LED Bulb / Red Lens	2ALP4LB		<b>111.50</b>	<b>190.50</b>
	<b>230VAC, 220VDC</b>	Amber LED Bulb / Amber Lens	2ALP5LB		<b>111.50</b>	<b>190.50</b>
		Blue LED Bulb / Blue Lens	2ALP6LB		<b>111.50</b>	<b>375.50</b>
		Yellow LED Bulb / Clear Lens	2ALP7LB		<b>111.50</b>	<b>190.50</b>
		White LED Bulb / Clear Lens	2ALP7LB(S)		<b>111.50</b>	<b>355.00</b>
		Yellow LED Bulb / Yellow Lens	2ALP8LB		<b>111.50</b>	<b>190.50</b>
<b>Bayonet Bulb</b>	Please mention the voltage required after the ordering code					
		White LED / White Lens	2ALRP1LF	<b>188.00</b>		
	<b>Integral LED</b>	White LED / White Lens	2ALRP1LF(S)	<b>316.00</b>		
	<b>24V, 110V, 230V, AC</b>	Green LED / Green Lens	2ALRP3LF	<b>188.00</b>		
		Red LED / Red Lens	2ALRP4LF	<b>188.00</b>		
		Amber LED / Amber Lens	2ALRP5LF	<b>188.00</b>		
		Blue LED / Blue Lens	2ALRP6LF	<b>408.50</b>		
		Yellow LED / Clear Lens	2ALRP7LF	<b>188.00</b>		
		White LED / Clear Lens	2ALRP7LF(S)	<b>316.00</b>		
		Yellow LED / Yellow Lens	2ALRP8LF	<b>188.00</b>		
<b>Flasher</b>	Please mention the voltage required after the ordering code					



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ILLUMINATED SELECTOR WITH BULB					
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	<b>2 Position Stayput illuminated selector actuator</b>				
		White	2ASL1-2P	223.00	242.00
	Filament bulb	Green	2ASL3-2P	223.00	242.00
	6V to 130V AC/DC	Red	2ASL4-2P	223.00	242.00
		Amber	2ASL5-2P	223.00	242.00
		Blue	2ASL6-2P	223.00	242.00
		Clear	2ASL7-2P	223.00	242.00
		Yellow	2ASL8-2P	223.00	242.00
Direct Connection	Please mention the voltage required after the ordering code				
		White	2ASLR1-2P	231.50	250.50
	Filament bulb	Green	2ASLR3-2P	231.50	250.50
	24 V,48V,110V,230V AC/DC	Red	2ASLR4-2P	231.50	250.50
		Amber	2ASLR5-2P	231.50	250.50
		Blue	2ASLR6-2P	231.50	250.50
		Clear	2ASLR7-2P	231.50	250.50
		Yellow	2ASLR8-2P	231.50	250.50
Connection with Resistor	Please mention the voltage required after the ordering code				
		White	2ASLR1-2P 230V AC	231.50	250.50
	Filament bulb	Green	2ASLR3-2P 230V AC	231.50	250.50
	230V AC	Red	2ASLR4-2P 230V AC	231.50	250.50
		Amber	2ASLR5-2P 230V AC	231.50	250.50
		Blue	2ASLR6-2P 230V AC	231.50	250.50
		Clear	2ASLR7-2P 230V AC	231.50	250.50
		Yellow	2ASLR8-2P 230V AC	231.50	250.50
Connection with Resistor+Diode					
<b>Note :</b>		2 Position Spring return	Replace 2P with 2PSR	231.50	250.50

# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

## ILLUMINATED SELECTOR WITH LED

	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.	Price in Rs.
				with integral LED	w/o LED bulb	with LED bulb
	<b>2 Position Illuminated Selector Actuator</b>					
		Yellow LED / White Lens	2ASLR1L-XXXXX	299.00		
	<b>Integral LED</b>	White LED / White Lens	2ASLR1L(S)-XXXXX	415.00		
	<b>6V, 12V, 24V, 48V AC/DC</b>	Green LED / Green Lens	2ASLR3L-XXXXX	299.00		
	<b>110VAC, 110VDC,</b>	Red LED / Red Lens	2ASLR4L-XXXXX	299.00		
	<b>230VAC, 220VDC</b>	Amber LED / Amber Lens	2ASLR5L-XXXXX	299.00		
		Blue LED / Blue Lens	2ASLR6L-XXXXX	495.50		
		Yellow LED / Clear Lens	2ASLR7L-XXXXX	299.00		
		White LED / Clear Lens	2ASLR7L(S)-XXXXX	415.00		
		Yellow LED / Yellow Lens	2ASLR8L-XXXXX	299.00		
<b>Integral LED</b>	Please mention the voltage required after the ordering code					
		Yellow LED Bulb / White Lens	2ASL1LB-XXXXX		223.00	302.00
	<b>LED Bulb, BA9S type</b>	White LED Bulb / White Lens	2ASL1LB(S)-XXXXX		223.00	466.50
	<b>24V AC/DC,</b>	Green LED Bulb / Green Lens	2ASL3LB-XXXXX		223.00	328.50
	<b>110VAC, 110VDC</b>	Red LED Bulb / Red Lens	2ASL4LB-XXXXX		223.00	302.00
	<b>230VAC, 220VDC</b>	Amber LED Bulb / Amber Lens	2ASL5LB-XXXXX		223.00	302.00
		Blue LED Bulb / Blue Lens	2ASL6LB-XXXXX		223.00	487.00
		Yellow LED Bulb / Clear Lens	2ASL7LB-XXXXX		223.00	302.00
		White LED Bulb/ Clear Lens	2ASL7LB(S)-XXXXX		223.00	466.50
		Yellow LED Bulb / Yellow Lens	2ASL8LB-XXXXX		223.00	302.00
<b>LED Bulb</b>	Please mention the voltage required after the ordering code					
		Yellow LED / White Lens	2ASLR1LF-XXXXX	299.00		
	<b>Integral LED</b>	White LED / White Lens	2ASLR1LF(S)-XXXXX	415.00		
	<b>24V, 110V, 230V, AC</b>	Green LED / Green Lens	2ASLR3LF-XXXXX	299.00		
		Red LED / Red Lens	2ASLR4LF-XXXXX	299.00		
		Amber LED / Amber Lens	2ASLR5LF-XXXXX	299.00		
		Blue LED / Blue Lens	2ASLR6LF-XXXXX	495.50		
		Yellow LED / Clear Lens	2ASLR7LF-XXXXX	299.00		
		White LED / Clear Lens	2ASLR7LF(S)-XXXXX	415.00		
		Yellow LED / Yellow Lens	2ASLR8LF-XXXXX	299.00		
<b>Flasher</b>	Please mention the voltage required after the ordering code					

1		Stayput	XXXXX	2P	
2		Spring return	XXXXX	2PSR	
XXXXX - Denotes Standard Execution					

# TEKNIC


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METALLIC SERIES


ILLUMINATED SELECTOR WITH BULB						
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.	
				w/o bulb	with bulb	
	<b>3 Position Stayput illuminated selector actuator</b>					
	Filament bulb	White	2ASL1-3P	235.50	254.50	
	6V to 130V AC/DC	Green	2ASL3-3P	235.50	254.50	
		Red	2ASL4-3P	235.50	254.50	
		Amber	2ASL5-3P	235.50	254.50	
		Blue	2ASL6-3P	235.50	254.50	
		Clear	2ASL7-3P	235.50	254.50	
Yellow		2ASL8-3P	235.50	254.50		
Direct Connection	Please mention the voltage required after the ordering code					
	Filament bulb	White	2ASLR1-3P	245.50	264.50	
	24 V,48V,110V,230V AC/DC	Green	2ASLR3-3P	245.50	264.50	
		Red	2ASLR4-3P	245.50	264.50	
		Amber	2ASLR5-3P	245.50	264.50	
		Blue	2ASLR6-3P	245.50	264.50	
		Clear	2ASLR7-3P	245.50	264.50	
Yellow		2ASLR8-3P	245.50	264.50		
Connection with Resistor	Please mention the voltage required after the ordering code					
	Filament bulb	White	2ASLR1-3P 230V AC	245.50	264.50	
	230V AC	Green	2ASLR3-3P 230V AC	245.50	264.50	
		Red	2ASLR4-3P 230V AC	245.50	264.50	
		Amber	2ASLR5-3P 230V AC	245.50	264.50	
		Blue	2ASLR6-3P 230V AC	245.50	264.50	
		Clear	2ASLR7-3P 230V AC	245.50	264.50	
Yellow		2ASLR8-3P 230V AC	245.50	264.50		
Connection with Resistor+Diode						
<b>SELECTOR</b>	1		3 Position Spring return	Replace 3P with 3PSR	254.00	273.00
	2		3 Position Spring return Left	Replace 3P with 3PSRL	254.00	273.00
	3		3 Position Spring return Right	Replace 3P with 3PSRR	254.00	273.00
	Example : 3 Position Spring return right Illuminated Selector Actuator, Red, 110V DC Ordering Code : 2ASLR4 - 3PSRR 110V DC					

# TEKNIC


MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

## ILLUMINATED SELECTOR WITH LED

	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.	Price in Rs.
				with integral LED	w/o LED bulb	with LED bulb
	<b>3 Position Illuminated Selector Actuator, Stayput</b>					

		Yellow LED / White Lens	2ASLR1L-3P	314.00		
	<b>Integral LED</b>	White LED / White Lens	2ASLR1L(S)-3P	428.50		
	<b>6V, 12V, 24V, 48V AC/DC</b>	Green LED / Green Lens	2ASLR3L-3P	314.00		
	<b>110VAC, 110VDC,</b>	Red LED / Red Lens	2ASLR4L-3P	314.00		
	<b>230VAC, 220VDC</b>	Amber LED / Amber Lens	2ASLR5L-3P	314.00		
		Blue LED / Blue Lens	2ASLR6L-3P	506.50		
		Yellow LED / Clear Lens	2ASLR7L-3P	314.00		
		White LED / Clear Lens	2ASLR7L(S)-3P	428.50		
		Yellow LED / Yellow Lens	2ASLR8L-3P	314.00		


**Integral LED** Please mention the voltage required after the ordering code

		Yellow LED Bulb / White Lens	2ASL1LB-3P		235.50	314.50
		White LED Bulb / White Lens	2ASL1LB(S)-3P		235.50	479.00
	<b>LED Bulb, BA9S type</b>	Green LED Bulb / Green Lens	2ASL3LB-3P		235.50	341.00
	<b>24V AC/DC,</b>	Red LED Bulb / Red Lens	2ASL4LB-3P		235.50	314.50
	<b>110VAC, 110VDC</b>	Amber LED Bulb / Amber Lens	2ASL5LB-3P		235.50	314.50
	<b>230VAC, 220VDC</b>	Blue LED Bulb / Blue Lens	2ASL6LB-3P		235.50	499.50
		Yellow LED Bulb / Clear Lens	2ASL7LB-3P		235.50	314.50
		White LED Bulb/ Clear Lens	2ASL7LB(S)-3P		235.50	479.00
		Yellow LED Bulb / Yellow Lens	2ASL8LB-3P		235.50	314.50

**LED Bulb** Please mention the voltage required after the ordering code

		White LED / White Lens	2ASLR1LF-3P	314.00		
		White LED / White Lens	2ASLR1LF(S)-3P	428.50		
	<b>Integral LED</b>	Green LED / Green Lens	2ASLR3LF-3P	314.00		
	<b>24V, 110V, 230V, AC</b>	Red LED / Red Lens	2ASLR4LF-3P	314.00		
		Amber LED / Amber Lens	2ASLR5LF-3P	314.00		
		Blue LED / Blue Lens	2ASLR6LF-3P	506.50		
		Yellow LED / Clear Lens	2ASLR7LF-3P	314.00		
		White LED / Clear Lens	2ASLR7LF(S)-3P	428.50		
		Yellow LED / Yellow Lens	2ASLR8LF-3P	314.00		

**Flasher** Please mention the voltage required after the ordering code

1		Stayput	3P			
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# TEKNIC

**MRP EFFECTIVE FROM 16.09.2013**  
**Control & Signalling Devices 22.5 Ø**  
**METALLIC SERIES**

## ILLUMINATED SELECTOR WITH LED

	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.	Price in Rs.
				with integral LED	w/o LED bulb	with LED bulb
	<b>3 Position Illuminated Selector Actuator, Spring Return</b>					
		Yellow LED / White Lens	2ASLR1L-XXXXX	<b>323.50</b>		
	<b>Integral LED</b>	White LED / White Lens	2ASLR1L(S)-XXXXX	<b>436.00</b>		
	<b>6V, 12V, 24V, 48V AC/DC</b>	Green LED / Green Lens	2ASLR3L-XXXXX	<b>323.50</b>		
	<b>110VAC, 110VDC,</b>	Red LED / Red Lens	2ASLR4L-XXXXX	<b>323.50</b>		
	<b>230VAC, 220VDC</b>	Amber LED / Amber Lens	2ASLR5L-XXXXX	<b>323.50</b>		
		Blue LED / Blue Lens	2ASLR6L-XXXXX	<b>512.00</b>		
		Yellow LED / Clear Lens	2ASLR7L-XXXXX	<b>323.50</b>		
		White LED / Clear Lens	2ASLR7L(S)-XXXXX	<b>436.00</b>		
		Yellow LED / Yellow Lens	2ASLR8L-XXXXX	<b>323.50</b>		
<b>Integral LED</b>	Please mention the voltage required after the ordering code					
		Yellow LED Bulb / White Lens	2ASL1LB-XXXXX		<b>254.00</b>	<b>333.00</b>
		White LED Bulb / White Lens	2ASL1LB(S)-XXXXX		<b>254.00</b>	<b>497.50</b>
	<b>LED Bulb, BA9S type</b>	Green LED Bulb / Green Lens	2ASL3LB-XXXXX		<b>254.00</b>	<b>359.50</b>
	<b>24V AC/DC,</b>	Red LED Bulb / Red Lens	2ASL4LB-XXXXX		<b>254.00</b>	<b>333.00</b>
	<b>110VAC, 110VDC</b>	Amber LED Bulb / Amber Lens	2ASL5LB-XXXXX		<b>254.00</b>	<b>333.00</b>
	<b>230VAC, 220VDC</b>	Blue LED Bulb / Blue Lens	2ASL6LB-XXXXX		<b>254.00</b>	<b>518.00</b>
		Yellow LED Bulb / Clear Lens	2ASL7LB-XXXXX		<b>254.00</b>	<b>333.00</b>
		White LED Bulb/ Clear Lens	2ASL7LB(S)-XXXXX		<b>254.00</b>	<b>497.50</b>
		Yellow LED Bulb / Yellow Lens	2ASL8LB-XXXXX		<b>254.00</b>	<b>333.00</b>
<b>LED Bulb</b>	Please mention the voltage required after the ordering code					
		White LED / White Lens	2ASLR1LF-XXXXX	<b>323.50</b>		
		White LED / White Lens	2ASLR1LF(S)-XXXXX	<b>436.00</b>		
	<b>Integral LED</b>	Green LED / Green Lens	2ASLR3LF-XXXXX	<b>323.50</b>		
	<b>24V, 110V, 230V, AC</b>	Red LED / Red Lens	2ASLR4LF-XXXXX	<b>323.50</b>		
		Amber LED / Amber Lens	2ASLR5LF-XXXXX	<b>323.50</b>		
		Blue LED / Blue Lens	2ASLR6LF-XXXXX	<b>512.00</b>		
		Yellow LED / Clear Lens	2ASLR7LF-XXXXX	<b>323.50</b>		
		White LED / Clear Lens	2ASLR7LF(S)-XXXXX	<b>436.00</b>		
		Yellow LED / Yellow Lens	2ASLR8LF-XXXXX	<b>323.50</b>		
<b>Flasher</b>	Please mention the voltage required after the ordering code					
			XXXXX			
1		Spring return	3PSR			
2		Spring return Right to centre	3PSRR			
3		Spring return Left to centre	3PSRL			
XXXXX - Denotes Standard Execution						

# TEKNIC



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Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

PILOT LIGHTS WITH BULB					
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	<b>Pilot Light</b>				
		White	2PLB1	87.00	106.00
	<b>Filament Bulb</b>	Green	2PLB3	87.00	106.00
	<b>6V to 130V AC/DC</b>	Red	2PLB4	87.00	106.00
		Amber	2PLB5	87.00	106.00
		Blue	2PLB6	87.00	106.00
		Clear	2PLB7	87.00	106.00
		Yellow	2PLB8	87.00	106.00
Direct Connection	Please mention the voltage required after the ordering code				
		White	2PLBR1	95.00	114.00
	<b>Filament Bulb</b>	Green	2PLBR3	95.00	114.00
	<b>24V,48V,110V,</b>	Red	2PLBR4	95.00	114.00
	<b>230V, AC/DC</b>	Amber	2PLBR5	95.00	114.00
		Blue	2PLBR6	95.00	114.00
		Clear	2PLBR7	95.00	114.00
		Yellow	2PLBR8	95.00	114.00
Connection with Resistor	Please mention the voltage required after the ordering code				
		White	2PLBR1240AC	95.00	114.00
	<b>Filament Bulb</b>	Green	2PLBR3240AC	95.00	114.00
	<b>230V AC</b>	Red	2PLBR4240AC	95.00	114.00
		Amber	2PLBR5240AC	95.00	114.00
		Blue	2PLBR6240AC	95.00	114.00
		Clear	2PLBR7240AC	95.00	114.00
		Yellow	2PLBR8240AC	95.00	114.00
Connection with Resistor+Diode					
		White	2PLBT1XX/YYY		279.50
	<b>Filament Bulb</b>	Green	2PLBT3XX/YYY		279.50
		Red	2PLBT4XX/YYY		279.50
	<b>Primary volt.    Secondary Volt.</b>	Amber	2PLBT5XX/YYY		279.50
	<b>110 V            6V</b>	Blue	2PLBT6XX/YYY		279.50
		Clear	2PLBT7XX/YYY		279.50
	<b>230 V            24V</b>	Yellow	2PLBT8XX/YYY		279.50
Connection with Transformer	XX - Secondary Voltage YYY - Primary Voltage				
e.g Transformer type pilot light, red colour, 220 V input and 24 output. Type no. 2PLBT4220/24					

# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
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METALLIC SERIES

## PILOT LIGHTS WITH LED

	Type	Colour of Lens / LED	Ordering	Price in Rs.	Price in Rs.	Price in Rs.
			Code	integral LED	w/o LED bulb	with LED bulb
	<b>Pilot Light</b>					
	<b>Integral LED</b> 6V, 12V, 24V, 48V AC/DC 110VAC, 110VDC, 230VAC, 220VDC	Yellow LED / White Lens	2PLBR1L	163.50		
		White LED / White Lens	2PLBR1L(S)	294.00		
		Green LED / Green Lens	2PLBR3L	163.50		
		Red LED / Red Lens	2PLBR4L	163.50		
		Amber LED / Amber Lens	2PLBR5L	163.50		
		Blue LED / Blue Lens	2PLBR6L	392.00		
		Yellow LED / Clear Lens	2PLBR7L	163.50		
		White LED / Clear Lens	2PLBR7L(S)	294.00		
		Yellow LED / Yellow Lens	2PLBR8L	163.50		
<b>Integral</b>	Please mention the voltage required after the ordering code					
	<b>LED Bulb, BA9S type</b> 24V AC/DC, 110VAC, 110VDC 230VAC, 220VDC	Yellow LED Bulb / White Lens	2PLB1LB		87.00	166.00
		White LED Bulb / White Lens	2PLB1LB(S)		87.00	330.50
		Green LED Bulb / Green Lens	2PLB3LB		87.00	192.50
		Red LED Bulb / Red Lens	2PLB4LB		87.00	166.00
		Amber LED Bulb / Amber Lens	2PLB5LB		87.00	166.00
		Blue LED Bulb / Blue Lens	2PLB6LB		87.00	351.00
		Yellow LED Bulb / Clear Lens	2PLB7LB		87.00	166.00
		White LED Bulb/ Clear Lens	2PLB7LB(S)		87.00	330.50
		Yellow LED Bulb / Yellow Lens	2PLB8LB		87.00	166.00
<b>LED Bulb</b>	Please mention the voltage required after the ordering code					
	<b>Integral LED</b> 24V, 110V, 230V, AC	Yellow LED / White Lens	2PLBR1LF	163.50		
		White LED / White Lens	2PLBR1LF(S)	294.00		
		Green LED / Green Lens	2PLBR3LF	163.50		
		Red LED / Red Lens	2PLBR4LF	163.50		
		Amber LED / Amber Lens	2PLBR5LF	163.50		
		Blue LED / Blue Lens	2PLBR6LF	392.00		
		Yellow LED / Clear Lens	2PLBR7LF	163.50		
		White LED / Clear Lens	2PLBR7LF(S)	294.00		
		Yellow LED / Yellow Lens	2PLBR8LF	163.50		
<b>Flasher</b>	Please mention the voltage required after the ordering code					
	<b>Integral LED</b> 24V upto 240V AC / DC	Yellow LED / White Lens	2PLBR1LU	287.00		
		White LED / White Lens	2PLBR1LU(S)	404.50		
		Green LED / Green Lens	2PLBR3LU	287.00		
		Red LED / Red Lens	2PLBR4LU	287.00		
		Amber LED / Amber Lens	2PLBR5LU	287.00		
		Blue LED / Blue Lens	2PLBR6LU	484.75		
		Yellow LED / Clear Lens	2PLBR7LU	287.00		
		White LED / Clear Lens	2PLBR7LU(S)	404.50		
		Yellow LED / Yellow Lens	2PLBR8LU	287.00		
<b>Universal</b>	Please mention the voltage required after the ordering code					
	<b>Integral LED</b> 415V	Yellow LED / White Lens	2PLBR1L	204.50		
		White LED / White Lens	2PLBR1L(S)	335.50		
		Green LED / Green Lens	2PLBR3L	204.50		
		Red LED / Red Lens	2PLBR4L	204.50		
		Amber LED / Amber Lens	2PLBR5L	204.50		
		Blue LED / Blue Lens	2PLBR6L	431.50		
		Yellow LED / Clear Lens	2PLBR7L	204.50		
		White LED / Clear Lens	2PLBR7L(S)	335.50		
		Yellow LED / Yellow Lens	2PLBR8L	204.50		

# TEKNIC

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METALLIC SERIES

TWIN ILLUMINATED WITH FILAMENT BULB					
	Type	COLOUR	ORDERED CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	Twin Illuminated 1 Flush, 1 Projecting (IO) Marked				
	<b>Filament bulb</b>	Red button	2ATL5 F3P4 (IO)	<b>164.50</b>	<b>183.50</b>
	6V to 130V AC/DC	Green button			
		Amber lens			
Direct Connection	Please mention the voltage required after the ordering code				
	<b>Filament bulb</b>	Red button	2ATLR5 F3P4 (IO)	<b>172.00</b>	<b>191.00</b>
	24 V,48V,110V,230V AC/DC	Green button			
		Amber lens			
Connection with Resistor	Please mention the voltage required after the ordering code				
	<b>Filament bulb</b>	Red button	2ATLR5 F3P4 (IO) 230V AC	<b>172.00</b>	<b>191.00</b>
	230V AC	Green button			
		Amber lens			
Connection with Resistor+Diode					



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METALLIC SERIES

TWIN ILLUMINATED WITH LED						
	TYPE	COLOUR	ORDERING CODE	Prive in Rs.	Prive in Rs.	Prive in Rs.
				with integral LED	w/o LED bulb	with LED bulb
	Twin Illuminated, Flush (IO) Marked					
	Integral LED	Green	2ATLR5LF3F4 (IO)	240.50		
	6V, 12V, 24V, 48V AC/DC	Red				
	110VAC, 110VDC,	Amber lens				
	230VAC, 220VDC					
Integral LED	Please mention the voltage required after the ordering code					
	LED Bulb, BA9S type	Green	2ATL5LBF3F4 (IO)		164.50	243.50
	24V AC/DC,	Red				
	110VAC, 110VDC	Amber lens				
	230VAC, 220VDC					
LED Bulb	Please mention the voltage required after the ordering code					
	Integral LED	Green	2ATLR5LF3F4 (IO)F	240.50		
	24V, 110V, 230V, AC	Red				
		Amber lens				
Flasher	Please mention the voltage required after the ordering code					

# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

TWIN ILLUMINATED WITH BULB					
	Type	COLOUR	ORDERED CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	<b>Twin Illuminated Flush (IO) Marked</b>				
	<b>Filament bulb</b>	Red button	2ATL5 F3F4 (IO)	<b>164.50</b>	<b>183.50</b>
	<b>6V to 130V AC/DC</b>	Green button			
		Amber lens			
Direct Connection	Please mention the voltage required after the ordering code				
	<b>Filament bulb</b>	Red button	2ATLR5 F3F4 (IO)	<b>172.00</b>	<b>191.00</b>
	<b>24 V,48V,110V,230V AC/DC</b>	Green button			
		Amber lens			
Connection with Resistor	Please mention the voltage required after the ordering code				
	<b>Filament bulb</b>	Red button	2ATLR5 F3F4 (IO) 230V AC	<b>172.00</b>	<b>191.00</b>
	<b>230V AC</b>	Green button			
		Amber lens			
Connection with Resistor+Diode					

# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

TWIN ILLUMINATED WITH LED						
	TYPE	COLOUR	ORDERING CODE	Prive in Rs.	Prive in Rs.	Prive in Rs.
				with integral LED	w/o LED bulb	with LED bulb
	<b>Twin Illuminated 1 Flush, 1 Projecting (IO) Marked</b>					
	<b>Integral LED</b>	Green	2ATLR5LF3P4 (IO)	<b>240.50</b>		
	6V, 12V, 24V, 48V AC/DC	Red				
	110VAC, 110VDC,	Amber lens				
	230VAC, 220VDC					
	Please mention the voltage required after the ordering code					
Integral LED						
	<b>LED Bulb, BA9S type</b>	Green	2ATL5LBF3P4 (IO)		<b>164.50</b>	<b>243.50</b>
	24V AC/DC,	Red				
	110VAC, 110VDC	Amber lens				
	230VAC, 220VDC					
	Please mention the voltage required after the ordering code					
LED Bulb						
	<b>Integral LED</b>	Green	2ATLR5LF3P4 (IO)F	<b>240.50</b>		
	24V, 110V, 230V, AC	Red				
		Amber lens				
Flasher	Please mention the voltage required after the ordering code					





# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

ILLUMINATED MUSHROOM WITH BULB					
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.
				w/o bulb	with bulb
	<b>Illuminated Mushroom, Momentary</b>				
	<b>Filament bulb</b>	Red	2ALM4	<b>232.00</b>	<b>251.00</b>
	<b>6V to 130V AC/DC</b>				
Direct Connection	Please mention the voltage required after the ordering code				
	<b>Filament bulb</b>	Red	2ALRM4	<b>241.50</b>	<b>260.50</b>
	<b>24 V,48V,110V,230V AC/DC</b>				
Connection with Resistor	Please mention the voltage required after the ordering code				
	<b>Filament bulb</b>	Red	2ALRM4 230AC	<b>241.50</b>	<b>260.50</b>
	<b>230V AC</b>				
Connection with Resistor+Diode					

# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

ILLUMINATED MUSHROOM WITH LED						
	TYPE	COLOUR	ORDERING CODE	Price in Rs. integral LED	Price in Rs. w/o LED bulb	Price in Rs. with LED bulb
	<b>Illuminated Mushroom, Momentary</b>					
	<b>Integral LED</b>	Red	2ALRM4L	<b>307.50</b>		
	6V, 12V, 24V, 48V AC/DC					
	110VAC, 110VDC,					
	230VAC, 220VDC					
<b>Integral LED</b>	Please mention the voltage required after the ordering code					
	<b>LED Bulb, BA9S type</b>	Red	2ALM4LB		<b>232.00</b>	<b>311.00</b>
	24V AC/DC,					
	110VAC, 110VDC					
	230VAC, 220VDC					
<b>LED Bulb</b>	Please mention the voltage required after the ordering code					
	<b>Integral LED</b>	Red	2ALRM4LF	<b>307.50</b>		
	24V, 110V, 230V, AC					
<b>Flasher</b>	Please mention the voltage required after the ordering code					




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METALLIC SERIES

ILLUMINATED MUSHROOM WITH BULB					
	TYPE	COLOUR	ORDERING CODE	Price in Rs. w/o bulb	Price in Rs. with bulb
	Illuminated Mushroom, Push Pull				
	Filament bulb 6V to 130V AC/DC	Red	2ALMPP4	274.50	293.50
Direct Connection	Please mention the voltage required after the ordering code				
	Filament bulb 24 V,48V,110V,230V AC/DC	Red	2ALRMPP4	283.50	302.50
Connection with Resistor	Please mention the voltage required after the ordering code				
	Filament bulb 230V AC	Red	2ALRMPP4 230AC	283.50	302.50
Connection with Resistor+Diode					

# TEKNIC


MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

ILLUMINATED MUSHROOM WITH LED						
	TYPE	COLOUR	ORDERING CODE	Price in Rs.	Price in Rs.	Price in Rs.
				integral LED	w/o LED bulb	with LED bulb
	<b>Illuminated Mushroom, Push pull</b>					
	Integral LED	Red	2ALRMPP4L	343.00		
	6V, 12V, 24V, 48V AC/DC					
	110VAC, 110VDC,					
	230VAC, 220VDC					
<b>Integral LED</b>	Please mention the voltage required after the ordering code					
	LED Bulb, BA9S type	Red	2ALMPP4LB		274.50	353.50
	24V AC/DC,					
	110VAC, 110VDC					
	230VAC, 220VDC					
<b>LED Bulb</b>	Please mention the voltage required after the ordering code					
	Integral LED					
	24V, 110V, 230V, AC	Red	2ALRMPP4LF	343.00		
<b>Flasher</b>	Please mention the voltage required after the ordering code					

# TEKNIC

MRP EFFECTIVE FROM 16.09.2013  
Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

## CONTACT ELEMENTS

	TYPE		ORDERING CODE	Price in Rs.
	PANEL MOUNTING			
	NORMALLY OPEN SILVER CONTACTS		S1	47.50
	NORMALLY CLOSED SILVER CONTACTS		S2	47.50
	NORMALLY OPEN GOLD CONTACTS		S3	134.00
	NORMALLY CLOSED GOLD CONTACTS		S4	134.00
	BASE MOUNTING			
	NORMALLY OPEN SILVER CONTACTS		S5	47.50
	NORMALLY CLOSED SILVER CONTACTS		S6	47.50
	NORMALLY OPEN GOLD CONTACTS		S7	134.00
	NORMALLY CLOSED GOLD CONTACTS		S8	134.00


## SPECIAL PURPOSE ACTUATORS

	TYPE	COLOUR	ORDERING CODE	Price in Rs.
	Flush Relay	White	2AF1RR	68.00
	Reset Actuators	Black	2AF2RR	68.00
		Green	2AF3RR	68.00
		Red	2AF4RR	68.00
		Blue	2AF6RR	68.00
		Yellow	2AF8RR	68.00


\*All actuators are supplied with fixing flange

## ACCESSORIES

### Multichip LED type BA9S

	Colour:	White	Green	Red	Amber	Blue	Yellow
	Code :	MCB91	MCB93	MCB94	MCB95	MCB96	MCB98
	Price in Rs.	243.50	105.50	79.00	79.00	264.00	79.00
	Please put supply voltage 24 / 48 / 110AC / 110DC / 230AC / 220 DC after the part no. of LED bulbs						

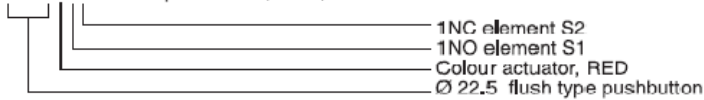
### Push Push Mechanism to convert momentary actuators into latching type

	Ordering Code. : 2PPM
	Price in Rs: 35.00

## Control and signalling devices Ø 22.5

### Ordering instructions

- Actuators, illuminated actuators, contact elements, lense assemblies & pilot lights can all be ordered separately or in combination.
- 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
- Some examples of type numbers:  
Actuator : Type 2AF3 is flush actuator, GREEN  
Pilot light : Type 2PLB4 is pilot light without series resistor, RED  
Complete pushbutton : Type 2PSF411 is flush pushbutton, RED, with 1NO+1NC contact elements



### 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
	MCB91110	MCB93110	MCB94110	MCB95110	MCB96110	MCB98110	110	1,0
	MCB91230	MCB93230	MCB94230	MCB95230	MCB96230	MCB98230	230	1,0



#### Lenses

Colour of lense : Translucent White Green Red Amber Blue Clear Yellow

	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



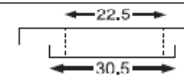
#### Push Push mechanism for converting spring return actuator into stay put type

Type No.: 2PPM



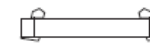
#### Adaptor for fixing Ø 22.5 devices in Ø 30.5 cutout.

Type No. : 2ADP



#### Fixing flange

Type No. : 2BRK



#### Padlock

For mushroom actuator : type no. 2PAM

For projecting actuator : type no. 2PAP



#### Boots for booted actuators

Colour of Boot : Black Green Red Blue Yellow  
Type No : 2BT2 2BT3 2BT4 2BT6 2BT8



#### Boot for non ill. flush actuator

Colour of Boot : Clear  
Type No : 2BT7



#### Boot for flush / proj. ill actuator

Colour of Boot : Clear  
Type No : 2ALBT7



#### Boot for twin actuator

Colour of Boot : Clear  
Type No : 2ATBT7



#### Boot for twin ill. actuator

Colour of Boot : Clear  
Type No : 2ATLBT7



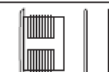
#### Bulb extractor

Type No. : 2BA9SE



#### Blanking plug for Ø 22.5 hole, black

Type No. : 2BP2



**Common types of control and signalling devices Ø 22.5**

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	2AF3	Green	1NO	2PSF310	
	2AF8	Yellow	2NO+1NC	2PSF821	
Projecting Pushbutton	2AP2	Black	2NC	2PSP202	
	2AP4	Red	3NO+3NC	2PSP433	
Mushroom Pushbutton Spring return	2AM2	Black	1NO+1NC	2PSM211	
	2AM4	Red	1NC	2PSM401	
Mushroom Pushbutton latching turn to release	2AML2	Black	1NC	2PSML201	
	2AML4	Red	2NO+2NC	2PSML422	
Mushroom Pushbutton latching, key to release	2AMLKB4	Red	1NO+1NC	2PSMLKB411	
Selector Actuator(2Pos)	2AS2-2P	Black	1NO	2PSS210-2P	
Selector Actuator(3Pos)	2AS2-3P	Red	1NO+1NC	2PSS211-3P	
Key Actuator (2Pos), Key withdrawable in both positions	2AK2-2PB		1NO	2PSK210-2PB	
Key Actuator (3Pos), Key withdrawable in left & right positions	2AK2-3PB		1NO+1NC	2PSK211-3PB	
Selector Illuminated Pushbutton, 2 position with resistance and diode (230V)	2ASLR3-2P230AC	Green	1NO+1NC + 2LHBR230AC	2PSSLR311-2P230AC	
Selector Illuminated Pushbutton, 3 Position with resistance (24V)	2ASLR4-3P24	Red	1NO+1NC + 2LHBR24	2PSSLR411-3P24	
Pilot Light for direct connection upto 130V	2LA3	Green	2LHB24	2PLB324	
	2LA4	Red	2LHB130	2PLB4130	
Pilot Light through resistor and diode for 230 V AC. Bulb:130V.	2LA5	Amber	2LHBR230AC	2PLBR5230AC	
	2LA6	Blue	2LHBR230AC	2PLBR6230AC	
Pilot Light with transformer for 230 V Bulb:24 V.	2LA4	Red	2LHBT230/24	2PLBT4230/24	
	2LA3	Green	2LHBT230/24	2PLBT3230/24	
Flush Illuminated Pushbutton with integral LED for 24 V DC	2ALRF3L24DC	Green	1NO+1NC + 2LHLR24DC	2PSLRF3L1124DC	
Projecting Illuminated Pushbutton with integral LED 230 V AC	2ALRP4L230AC	Red	1NO+1NC + 2LHLR230AC	2PSLRP4L11230AC	
Pilot Light with LED bulb for 110 V Bulb:110 V	2LAL5	Amber	2LHLB110	2PLB5LB110	
Twin Pushbutton marked "I O"	2ATF2-F4-IO	Flush-Black	1 NO	2PSTF210-F401-IO	
Flush - Flush		Flush-Red	1 NC		
Twin Pushbutton not marked	2ATF3-P4	Flush-Green	1NO+1NC	2PSTF311-P411	
Flush - Projecting		Proj-Red	1NO+1NC		
Twin Illuminated Pushbutton marked "I O" Flush - Flush direct connection (130V)	2ATL3-F2-F4 IO130	Lense-Green Flush-Black Flush-Red	2LHB130 1 NO + 1 NC 1 NC	2PSTL3F211-F401-IO130	
Twin Illuminated Pushbutton not marked Flush - Projecting with resistance (24V)	2ATLR5-F3-P424	Lense-Amber Flush-Green Proj.-Red	2LHBR24 1 NO 1 NC	2PSTLR5F310-P40124	



# TEKNIC

## GENERAL TERMS AND CONDITIONS

**General Terms :** All prices are on maximum retail price basis inclusive of Excise Duty and VAT / Sales Tax as applicable.

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 manufacturing. 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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