

# 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:

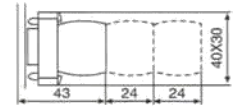
- Economy of space
- Aesthetically elegant
- SELF WIPING CONTACT
- Robust in materials of construction
- Simple to fix - screw driver is all that required
- Safe in operation
- Fixing method unaffected by excessive vibration-unit does not rotate
- Very good flame resistance
- Protection against electric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

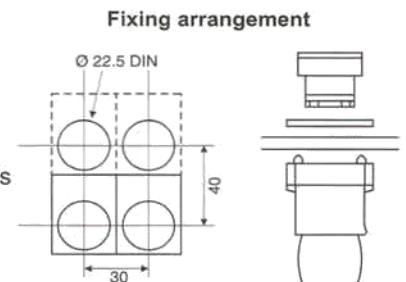
Pilot lights are available with built in transformers suitable for operating at 230, 110 volts AC input and 6V, 12V and 24V output.

### 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
	: A 600 Q600

As per CSA - C22.2 No. 14-95, UL508,

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	V	24	120	230	DC 13	V	24	110
	A	4	3	2		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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## METALLIC SERIES

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

\*All actuators are supplied with fixing flange

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METALLIC SERIES

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

\*All actuators are supplied with fixing flange


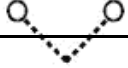






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METALLIC SERIES

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

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## Control & Signalling Devices 22.5 Ø METALLIC SERIES

SELECTOR ACTUATORS				
	TYPE		COLOUR	ORDERING CODE
	<b>SELECTOR</b>			
	<b>2 position LATCHING</b>		Black	2AS2-2P
	<b>With ext. knob</b>			2AS2E-2P
	<b>2 position MOMENTARY</b>		Black	2AS2-2PSR
	<b>With ext. knob</b>			2AS2E-2PSR
	<b>3 position STAY PUT</b>		Black	2AS2-3P
	<b>With ext. knob</b>			2AS2E-3P
	<b>3 position MOMENTARY on both sides</b>		Black	2AS2-3PSR
	<b>With ext. knob</b>			2AS2E-3PSR
	<b>3 position MOMENTARY on right</b>		Black	2AS2-3PSRR
	<b>With ext. knob</b>			2AS2E-3PSRR
	<b>3 position MOMENTARY on left</b>		Black	2AS2-3PSRL
	<b>With ext. knob</b>			2AS2E-3PSRL

\*All actuators are supplied with fixing flange

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## KEY SELECTOR




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

\* X stands for position in which key is removable

\*All Actualators are supplied with fixing flange

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

Note : Other colours as per request







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





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ILLUMINATED FLUSH ACTUATOR WITH LED			
	TYPE	COLOUR of LED / LENS	ORDERING CODE
			
	<b>Illuminated Flush actuator, spring return</b>		
		Yellow LED / White Lens	2ALRF1L
		White LED / White Lens	2ALRF1L(S)
		Green LED / Green Lens	2ALRF3L
	<b>Integral LED</b>	Red LED / Red Lens	2ALRF4L
	<b>6V, 12V, 24V, 48V AC/DC</b>	Amber LED / Amber Lens	2ALRF5L
	<b>110VAC, 110VDC,</b>	Blue LED / Blue Lens	2ALRF6L
	<b>230VAC, 220VDC</b>	Yellow LED / Clear Lens	2ALRF7L
		White LED / Clear Lens	2ALRF7L(S)
		Yellow LED / Yellow Lens	2ALRF8L
Integral	Please mention the voltage required after the ordering code		
			
	<b>LED Bulb, BA9S type</b>	Yellow LED Bulb / White Lens	2ALF1LB
	<b>24V AC/DC,</b>	White LED Bulb / White Lens	2ALF1LB(S)
	<b>110VAC, 110VDC</b>	Green LED Bulb / Green Lens	2ALF3LB
	<b>230VAC, 220VDC</b>	Red LED Bulb / Red Lens	2ALF4LB
		Amber LED Bulb / Amber Lens	2ALF5LB
		Blue LED Bulb / Blue Lens	2ALF6LB
		Yellow LED Bulb / Clear Lens	2ALF7LB
		White LED Bulb / Clear Lens	2ALF7LB(S)
		Yellow LED Bulb / Yellow Lens	2ALF8LB
Bayonet Bulb	Please mention the voltage required after the ordering code		
			
		White LED / White Lens	2ALRF1L
	<b>Integral LED</b>	White LED / White Lens	2ALRF1L(S)
	<b>24V, 110V, 230V, AC</b>	Green LED / Green Lens	2ALRF3L
		Red LED / Red Lens	2ALRF4L
		Amber LED / Amber Lens	2ALRF5L
		Blue LED / Blue Lens	2ALRF6L
		Yellow LED / Clear Lens	2ALRF7L
		White LED / Clear Lens	2ALRF7L(S)
		Yellow LED / Yellow Lens	2ALRF8L
Flasher	Please mention the voltage required after the ordering code		

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



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ILLUMINATED PROJECTING WITH LED			
	TYPE	COLOUR	ORDERING CODE
	<b>Illuminated Projecting actuator, spring return</b>		
		Yellow LED / White Lens	2ALRP1L
	<b>Integral LED</b>	White LED / White Lens	2ALRP1L(S)
	<b>6V, 12V, 24V, 48V AC/DC</b>	Green LED / Green Lens	2ALRP3L
	<b>110VAC, 110VDC,</b>	Red LED / Red Lens	2ALRP4L
	<b>230VAC, 220VDC</b>	Amber LED / Amber Lens	2ALRP5L
		Blue LED / Blue Lens	2ALRP6L
		Yellow LED / Clear Lens	2ALRP7L
		White LED / Clear Lens	2ALRP7L(S)
		Yellow LED / Yellow Lens	2ALRP8L
	<b>Integral</b>	Please mention the voltage required after the ordering code	
		Yellow LED Bulb / White Lens	2ALP1LB
	<b>LED Bulb, BA9S type</b>	White LED Bulb / White Lens	2ALP1LB(S)
	<b>24V AC/DC,</b>	Green LED Bulb / Green Lens	2ALP3LB
	<b>110VAC, 110VDC</b>	Red LED Bulb / Red Lens	2ALP4LB
	<b>230VAC, 220VDC</b>	Amber LED Bulb / Amber Lens	2ALP5LB
		Blue LED Bulb / Blue Lens	2ALP6LB
		Yellow LED Bulb / Clear Lens	2ALP7LB
		White LED Bulb/ Clear Lens	2ALP7LB(S)
		Yellow LED Bulb / Yellow Lens	2ALP8LB
	<b>Bayonet Bulb</b>	Please mention the voltage required after the ordering code	
		White LED / White Lens	2ALRP1LF
	<b>Integral LED</b>	White LED / White Lens	2ALRP1LF(S)
	<b>24V, 110V, 230V, AC</b>	Green LED / Green Lens	2ALRP3LF
		Red LED / Red Lens	2ALRP4LF
		Amber LED / Amber Lens	2ALRP5LF
		Blue LED / Blue Lens	2ALRP6LF
		Yellow LED / Clear Lens	2ALRP7LF
		White LED / Clear Lens	2ALRP7LF(S)
		Yellow LED / Yellow Lens	2ALRP8LF
	<b>Flasher</b>	Please mention the voltage required after the ordering code	



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








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ILLUMINATED SELECTOR WITH LED					
	TYPE	COLOUR	ORDERING CODE		
	<b>2 Position Illuminated Selector Actuator</b>				
	<b>Integral LED</b> <b>6V, 12V, 24V, 48V AC/DC</b> <b>110VAC, 110VDC,</b> <b>230VAC, 220VDC</b>				
<b>Integral LED</b>		Yellow LED / White Lens	2ASLR1L-XXXXX		
		White LED / White Lens	2ASLR1L(S)-XXXXX		
		Green LED / Green Lens	2ASLR3L-XXXXX		
		Red LED / Red Lens	2ASLR4L-XXXXX		
		Amber LED / Amber Lens	2ASLR5L-XXXXX		
		Blue LED / Blue Lens	2ASLR6L-XXXXX		
		Yellow LED / Clear Lens	2ASLR7L-XXXXX		
		White LED / Clear Lens	2ASLR7L(S)-XXXXX		
		Yellow LED / Yellow Lens	2ASLR8L-XXXXX		
Please mention the voltage required after the ordering code					
	<b>LED Bulb, BA9S type</b> <b>24V AC/DC,</b> <b>110VAC, 110VDC</b> <b>230VAC, 220VDC</b>				
<b>LED Bulb</b>		Yellow LED Bulb / White Lens	2ASL1LB-XXXXX		
		White LED Bulb / White Lens	2ASL1LB(S)-XXXXX		
		Green LED Bulb / Green Lens	2ASL3LB-XXXXX		
		Red LED Bulb / Red Lens	2ASL4LB-XXXXX		
		Amber LED Bulb / Amber Lens	2ASL5LB-XXXXX		
		Blue LED Bulb / Blue Lens	2ASL6LB-XXXXX		
		Yellow LED Bulb / Clear Lens	2ASL7LB-XXXXX		
		White LED Bulb / Clear Lens	2ASL7LB(S)-XXXXX		
		Yellow LED Bulb / Yellow Lens	2ASL8LB-XXXXX		
Please mention the voltage required after the ordering code					
	<b>Integral LED</b> <b>24V, 110V, 230V, AC</b>				
<b>Flasher</b>		Yellow LED / White Lens	2ASLR1LF-XXXXX		
		White LED / White Lens	2ASLR1L(S)-XXXXX		
		Green LED / Green Lens	2ASLR3LF-XXXXX		
		Red LED / Red Lens	2ASLR4LF-XXXXX		
		Amber LED / Amber Lens	2ASLR5LF-XXXXX		
		Blue LED / Blue Lens	2ASLR6LF-XXXXX		
		Yellow LED / Clear Lens	2ASLR7LF-XXXXX		
		White LED / Clear Lens	2ASLR7L(S)-XXXXX		
		Yellow LED / Yellow Lens	2ASLR8LF-XXXXX		
Please mention the voltage required after the ordering code					
1		Stayput		XXXXX	2P
2		Spring return		XXXXX	2PSR
XXXXX - Denotes Standard Execution					

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

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<b>ILLUMINATED SELECTOR WITH LED</b>					
	TYPE	COLOUR	ORDERING CODE		
	<b>3 Position Illuminated Selector Actuator</b>				
	<b>Integral LED</b> <b>6V, 12V, 24V, 48V AC/DC</b> <b>110VAC, 110VDC,</b> <b>230VAC, 220VDC</b>				
		Yellow LED / White Lens	2ASLR1L-XXXXX		
		White LED / White Lens	2ASLR1L(S)-XXXXX		
		Green LED / Green Lens	2ASLR3L-XXXXX		
		Red LED / Red Lens	2ASLR4L-XXXXX		
		Amber LED / Amber Lens	2ASLR5L-XXXXX		
		Blue LED / Blue Lens	2ASLR6L-XXXXX		
		Yellow LED / Clear Lens	2ASLR7L-XXXXX		
		White LED / Clear Lens	2ASLR7L(S)-XXXXX		
		Yellow LED / Yellow Lens	2ASLR8L-XXXXX		
<b>Integral LED</b>	Please mention the voltage required after the ordering code				
	<b>LED Bulb, BA9S type</b> <b>24V AC/DC,</b> <b>110VAC, 110VDC</b> <b>230VAC, 220VDC</b>				
		Yellow LED Bulb / White Lens	2ASL1LB-XXXXX		
		White LED Bulb / White Lens	2ASL1LB(S)-XXXXX		
		Green LED Bulb / Green Lens	2ASL3LB-XXXXX		
		Red LED Bulb / Red Lens	2ASL4LB-XXXXX		
		Amber LED Bulb / Amber Lens	2ASL5LB-XXXXX		
		Blue LED Bulb / Blue Lens	2ASL6LB-XXXXX		
		Yellow LED Bulb / Clear Lens	2ASL7LB-XXXXX		
		White LED Bulb / Clear Lens	2ASL7LB(S)-XXXXX		
		Yellow LED Bulb / Yellow Lens	2ASL8LB-XXXXX		
<b>LED Bulb</b>	Please mention the voltage required after the ordering code				
	<b>Integral LED</b> <b>24V, 110V, 230V, AC</b>				
		Yellow LED / White Lens	2ASLR1LF-XXXXX		
		White LED / White Lens	2ASLR1L(S)-XXXXX		
		Green LED / Green Lens	2ASLR3LF-XXXXX		
		Red LED / Red Lens	2ASLR4LF-XXXXX		
		Amber LED / Amber Lens	2ASLR5LF-XXXXX		
		Blue LED / Blue Lens	2ASLR6LF-XXXXX		
		Yellow LED / Clear Lens	2ASLR7LF-XXXXX		
		White LED / Clear Lens	2ASLR7LF(S)-XXXXX		
		Yellow LED / Yellow Lens	2ASLR8LF-XXXXX		
<b>Flasher</b>	Please mention the voltage required after the ordering code				
					XXXXX
1		Stayput			3P
2		Spring return			3PSR
3		Spring return Right			3PSRR
4		Spring return Left			3PSRL
XXXXX - Denotes Standard Execution					

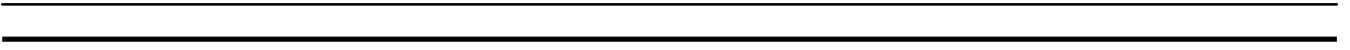


# TEKNIC

Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

## PILOT LIGHTS WITH BULB





	TYPE	COLOUR	ORDERING CODE
	<b>Pilot Light</b>		
	<b>Filament Bulb</b> 6V to 130V AC/DC	White Green Red Amber Blue Clear Yellow	2PLB1 2PLB3 2PLB4 2PLB5 2PLB6 2PLB7 2PLB8
Direct Connection			
	<b>Filament Bulb</b> 24V,48V,110V, 230V, AC/DC	White Green Red Amber Blue Clear Yellow	2PLBR1 2PLBR3 2PLBR4 2PLBR5 2PLBR6 2PLBR7 2PLBR8
Connection with Resistor			
	<b>Filament Bulb</b> 230V AC	White Green Red Amber Blue Clear Yellow	2PLBR1240AC 2PLBR3240AC 2PLBR4240AC 2PLBR5240AC 2PLBR6240AC 2PLBR7240AC 2PLBR8240AC
Connection with Resistor+Diode			
	<b>Filament Bulb</b> <b>Primary volt.    Secondary Volt.</b> 110 V            6V 12V 230 V            24V	White Green Red Amber Blue Clear Yellow	2PLBT1XX/YYY 2PLBT3XX/YYY 2PLBT4XX/YYY 2PLBT5XX/YYY 2PLBT6XX/YYY 2PLBT7XX/YYY 2PLBT8XX/YYY
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



## Control & Signalling Devices 22.5 Ø METALLIC SERIES

### PILOT LIGHTS WITH LED

	Type	Colour of Lens / LED	Ordering Code
	<b>Pilot Light</b>  <b>Integral LED</b> <b>6V, 12V, 24V, 48V AC/DC</b> <b>110VAC, 110VDC,</b> <b>230VAC, 220VDC</b>	Yellow LED / White Lens White LED / White Lens Green LED / Green Lens Red LED / Red Lens Amber LED / Amber Lens Blue LED / Blue Lens Yellow LED / Clear Lens White LED / Clear Lens Yellow LED / Yellow Lens	2PLBR1L 2PLBR1L(S) 2PLBR3L 2PLBR4L 2PLBR5L 2PLBR6L 2PLBR7L 2PLBR7L(S) 2PLBR8L
<b>Integral</b>	Please mention the voltage required after the ordering code		
	<b>LED Bulb</b> <b>BA9S type</b> <b>24V AC/DC,</b> <b>110VAC, 110VDC</b> <b>230VAC, 220VDC</b>	Yellow LED Bulb / White Lens 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 Yellow LED Bulb / Clear Lens White LED Bulb / Clear Lens Yellow LED Bulb / Yellow Lens	2PLB1LB 2PLB1LB(S) 2PLB3LB 2PLB4LB 2PLB5LB 2PLB6LB 2PLB7LB 2PLB7LB(S) 2PLB8LB
<b>LED Bulb</b>	Please mention the voltage required after the ordering code		
	<b>Integral LED</b> <b>24V, 110V, 230V, AC</b>	Yellow LED / White Lens White LED / White Lens Green LED / Green Lens Red LED / Red Lens Amber LED / Amber Lens Blue LED / Blue Lens Yellow LED / Clear Lens White LED / Clear Lens Yellow LED / Yellow Lens	2PLBR1LF 2PLBR1LF(S) 2PLBR3LF 2PLBR4LF 2PLBR5LF 2PLBR6LF 2PLBR7LF 2PLBR7LF(S) 2PLBR8LF
<b>Flasher</b>	Please mention the voltage required after the ordering code		
	<b>Integral LED</b> <b>24V upto 240V AC / DC</b>	Yellow LED / White Lens White LED / White Lens Green LED / Green Lens Red LED / Red Lens Amber LED / Amber Lens Blue LED / Blue Lens Yellow LED / Clear Lens White LED / Clear Lens Yellow LED / Yellow Lens	2PLBR1LU 2PLBR1LU(S) 2PLBR3LU 2PLBR4LU 2PLBR5LU 2PLBR6LU 2PLBR7LU 2PLBR7LU(S) 2PLBR8LU
<b>Universal</b>			

# TEKNIC

## Control & Signalling Devices 22.5 Ø METALLIC SERIES

TWIN ILLUMINATED WITH FILAMENT BULB			
	Type	COLOUR	ORDERED CODE
	<b>Twin Illuminated 1 Flush, 1 Projecting (IO) Marked</b>		
	<b>Filament bulb</b>	Red button	2ATL5 F3P4 (IO)
	<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 F3P4 (IO)
	<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 F3P4 (IO) 230V AC
	<b>230V AC</b>	Green button	
		Amber lens	
Connection with Resistor+Diode			

# TEKNIC

Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

TWIN ILLUMINATED WITH LED			
	TYPE	COLOUR	ORDERING CODE
	Twin Illuminated, Flush (IO) Marked		
	Integral LED	Green	2ATLR5LF3F4 (IO)
	6V, 12V, 24V, 48V AC/DC	Red	
	110VAC, 110VDC,	Amber lens	
	230VAC, 220VDC		
	Please mention the voltage required after the ordering code		
Integral LED			
	LED Bulb, BA9S type	Green	2ATL5LBF3F4 (IO)
	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
	24V, 110V, 230V, AC	Red	
		Amber lens	
Flasher	Please mention the voltage required after the ordering code		


# TEKNIC

Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

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


# TEKNIC

## Control & Signalling Devices 22.5 Ø METALLIC SERIES

TWIN ILLUMINATED WITH LED			
	TYPE	COLOUR	ORDERING CODE
	<b>Twin Illuminated 1 Flush, 1 Projecting (IO) Marked</b>		
	<b>Integral LED</b>	Green	2ATLR5LF3P4 (IO)
	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)
	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
	24V, 110V, 230V, AC	Red	
		Amber lens	
Flasher	Please mention the voltage required after the ordering code		

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## Control & Signalling Devices 22.5 Ø METALLIC SERIES

ILLUMINATED MUSHROOM WITH BULB			
	TYPE	COLOUR	ORDERING CODE
	Illuminated Mushroom, Momentary		
	Filament bulb 6V to 130V AC/DC	Red	2ALM4
Direct Connection			
	Filament bulb 24 V,48V,110V,230V AC/DC	Red	2ALRM4
Connection with Resistor			
	Filament bulb 230V AC	Red	2ALRM4 230AC
Connection with Resistor+Diode			




# TEKNIC

Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

ILLUMINATED MUSHROOM WITH LED			
	TYPE	COLOUR	ORDERING CODE
	<b>Illuminated Mushroom, Momentary</b>		
	<b>Integral LED</b> 6V, 12V, 24V, 48V AC/DC 110VAC, 110VDC, 230VAC, 220VDC	Red	2ALRM4L
<b>Integral LED</b>	Please mention the voltage required after the ordering code		
	<b>LED Bulb, BA9S type</b> 24V AC/DC, 110VAC, 110VDC 230VAC, 220VDC	Red	2ALM4LB
<b>LED Bulb</b>	Please mention the voltage required after the ordering code		
	<b>Integral LED</b> 24V, 110V, 230V, AC	Red	2ALRM4LF
<b>Flasher</b>	Please mention the voltage required after the ordering code		

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## Control & Signalling Devices 22.5 Ø METALLIC SERIES

ILLUMINATED MUSHROOM WITH BULB			
	TYPE	COLOUR	ORDERING CODE
	<b>Illuminated Mushroom, Push Pull</b>		
	<b>Filament bulb</b>	Red	2ALMPP4
	<b>6V to 130V AC/DC</b>		
Direct Connection			
	<b>Filament bulb</b>	Red	2ALRMPP4
	<b>24 V,48V,110V,230V AC/DC</b>		
Connection with Resistor			
	<b>Filament bulb</b>	Red	2ALRMPP4 230AC
	<b>230V AC</b>		
Connection with Resistor+Diode			

# TEKNIC


## Control & Signalling Devices 22.5 Ø METALLIC SERIES

ILLUMINATED MUSHROOM WITH LED			
	TYPE	COLOUR	ORDERING CODE
	<b>Illuminated Mushroom, Push pull</b>		
	<b>Integral LED</b>	Red	2ALRMPP4L
	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	2ALMPP4LB
	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	2ALRMPP4LF
	24V, 110V, 230V, AC		
<b>Flasher</b>	Please mention the voltage required after the ordering code		


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Control & Signalling Devices 22.5 Ø  
METALLIC SERIES

## CONTACT ELEMENTS

	TYPE		ORDERING CODE	
	PANEL MOUNTING			
	NORMALLY OPEN SILVER CONTACTS		S1	
	NORMALLY CLOSED SILVER CONTACTS		S2	
	NORMALLY OPEN GOLD CONTACTS		S3	
	NORMALLY CLOSED GOLD CONTACTS		S4	
	BASE MOUNTING			
	NORMALLY OPEN SILVER CONTACTS		S5	
	NORMALLY CLOSED SILVER CONTACTS		S6	
	NORMALLY OPEN GOLD CONTACTS		S7	
	NORMALLY CLOSED GOLD CONTACTS		S8	

## SPECIAL PURPOSE ACTUATORS

	TYPE	COLOUR	ORDERING CODE
	<b>Flush Relay</b>	White	2AF1RR
<b>Reset Actuators</b>	Black	2AF2RR	
	Green	2AF3RR	
	Red	2AF4RR	
	Blue	2AF6RR	
	Yellow	2AF8RR	

\*All actuators are supplied with fixing flange



