



ELCOM

www.elcom-in.com

CONTROL & SIGNALLING DEVICES

Ø 22.5 Series





Elcom International Pvt. Ltd. is an Electro-Mechanical and Electronic (EM&E) manufacturing company known best for being the pioneers in this industry in India. Established in 1981, with its factory in Kolhapur and Headquarters in Mumbai, we are backed with more than three decades of experience and goodwill from countless satisfied customers across the world.

Today, we have transformed from components manufacturing company to a business encompassing four vertical business lines and has ISO 9001:2008 certified state-of-the-art manufacturing facility and R&D facility recognized by DSIR. With our core expertise in manufacturing of EM&E components, we also now manufacture standard & intelligent Power Distribution Units (PDUs), solar components and consumer products like Spike Guard.

Control and Signaling Devices Ø 22.5 Series

Elcom's range of Ø 22.5 Series Pushbuttons, Selector Switches, Illuminated Switches and Pilot Lights in engineering plastic construction have been designed to provide following advantages:

- Economy of Space • Aesthetic Elegance • Self wiping Contacts • Sturdiness

This range has a number of features that make it particularly suitable for safe and highly demanding applications:

- Fixing method is unaffected by excessive vibration-unit does not rotate
- Excellent flame resistance
- Protection against electrical shock
- Shrouded terminals
- Excellent resistance to corrosion in Metal Series

Actuators:

The circular actuators have chrome plated metal bezels and are functionally interchangeable on 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.

Terminals:

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

Standard Color Code

1 Grey	4 Red	7 Green	10 Amber	13 Brown
2 Dark Grey	5 Blue	8 Orange	11 Green Yellow	14 Charcoal Grey
3 Black	6 Yellow	9 White	12 Lavender	15 Transparent

Type of Actuator	
FA	Flush Actuator
PA	Projected Actuator
MBS	Mounting Bracket with Screw
FB	Flush Booted
S2	Selector with 2 Position
S3	Selector with 3 Position
E1-XX	Emergency Stop Spring Return - Dia. Of Dial
E2-XX	Emergency Stop Twist to Release - Dia. Of Dial
E3-XX	Emergency Stop key to Release - Dia. Of Dial
KS2	Key Selector with 2 Position
TA	Twin Actuator

Indicator Type		Example
22-C-S	22CS	E225-FA-M-04
22-D-S	22DS	E225 Elcom Series Ø 22.5
22-D	22D	FA Flush Actuator
22-E	22E	M Metal Series
22-H	22H	04 Red

Series

M - Metal **P** - Plastic

ACTUATORS

Flush Actuator



Projected Actuator



Flush Actuator - Booted



Selector -2 Position



**Emergency Stop Spring
Return Ø 40mm**



**Emergency Stop Twist
to release Ø 40mm**



**Emergency Stop Key
to release Ø 40mm**



Key Selector -2 Position



**Illuminated Flush with
BA9S LED**



Flush Actuator



Projected Actuator



**Flush Actuator -
Booted**



**Emergency Stop Twist
to Release Ø 40mm**



Selector -2 Position



Selector -3 Position



**Twin Actuator with
BA9S LED**



**Illuminated Selector-
2 Position**



**Illuminated Selector-
3 Position**



PLASTIC INDICATORS

Plastic Indicators
with LED



Plastic Indicators
with LED



Plastic Indicators
with LED



Plastic Indicators
with LED



Plastic Indicators
with LED



CONTACT ELEMENTS

Normally Open Contact
Element (CE Approved)



Normally Closed Contact
Element (CE Approved)



Normally Open Contact
Element (CE Approved)



Normally Closed Contact
Element (CE Approved)



Electrical and Mechanical Characteristics Environment

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	: 500V														
Rated thermal current	: 10A														
Contact operation															
make and break Capacity	: Self Wiping , Slow break NO or NC														
As per IEC 947-5-(1)1990	: AC 15-4A, 415 VAC DC 13-0.5A, 110 VDC														
Terminal Capacity	: Min 1x0.5 mm, Max 2x1.5mm or 1x2.5mm														
Terminal marking	: 1-2 for NC, 3-4 for NO														
Short Circuit Protection	: 10A cartridge fuse HRC, rated for resistive loading														
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 <table><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><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
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A	4	3	2												
V	24	110													
A	0.5	0.2													

Marketing By:



Indian Technological Products Private Limited

22-23, Type-B, Hartron Complex, Electronic City, Sector-18, Udyog Vihar, Gurgaon -122 016, Haryana (India)

Telephone: +91-124-4013646, 4013647 • Fax: +91-124-2398277

Email: sales@itpindia.in • www.itpindia.com • CIN: U74899DL1986PTC023265