

## PRODUCT DATA SHEET

### Specifications



## Current Indicator (240V AC)

### ELECTRICAL

Rated Supply Voltage	240 VAC
Operating Supply Voltage	80-270 VAC
Input Current	< 40 mA
Input Wattage	<1 W
Frequency	50/60 Hz
Current Indication Range	0A to 100A with CT for single phase
Tolerance Scope / Accuracy @ ideal condition (1st harmonics)	+/-1A
Tolerance Scope / Accuracy @ 5th harmonics condition	+/-5A
Surge Test	2 KV AS PER IEC 61000-4-5
HV Rating	2 KV AS PER IEC 60243
Rated Insulation Voltage at Resistance	500 V AC @ 1M $\Omega$
Display Type	7 Segment 3 digit (The indicator unit 'A' illuminates when the digital indicator detects the presence of Current)
Electrical Life	20K under normal operating condition

## MECHANICAL

Dimensions	See Technical Drawing on page - 04
Weight	25 g
Panel Cut-out	Ø 22.5 mm
Degree of Protection	Above Panel: IP65
	For Terminals: IP20
Mounting Details	Mounting on Panel, 22.5 Dia Hole
Connectors	2 Pin - screw terminal (<0.75 to 1 sq. mm wire)
Screw Tightening Torque	0.8Nm

## AESTHETICAL

Housing Colour	Black
Illuminating lens Colour	Red/Yellow/Blue/Green/Amber/Clear

## ENVIRONMENTAL REQUIREMENTS

Operating temperature	-20°C TO 60°C
Storage temperature	-30°C TO 65°C
Air humidity	10% - 95%

## ECOLOGICAL REQUIREMENTS

RoHS	Comply
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## APPLICATIONS

Industrial	Panel application
Automobile	Manufacturing line
Elevator	Panel application
Appliances	Line current

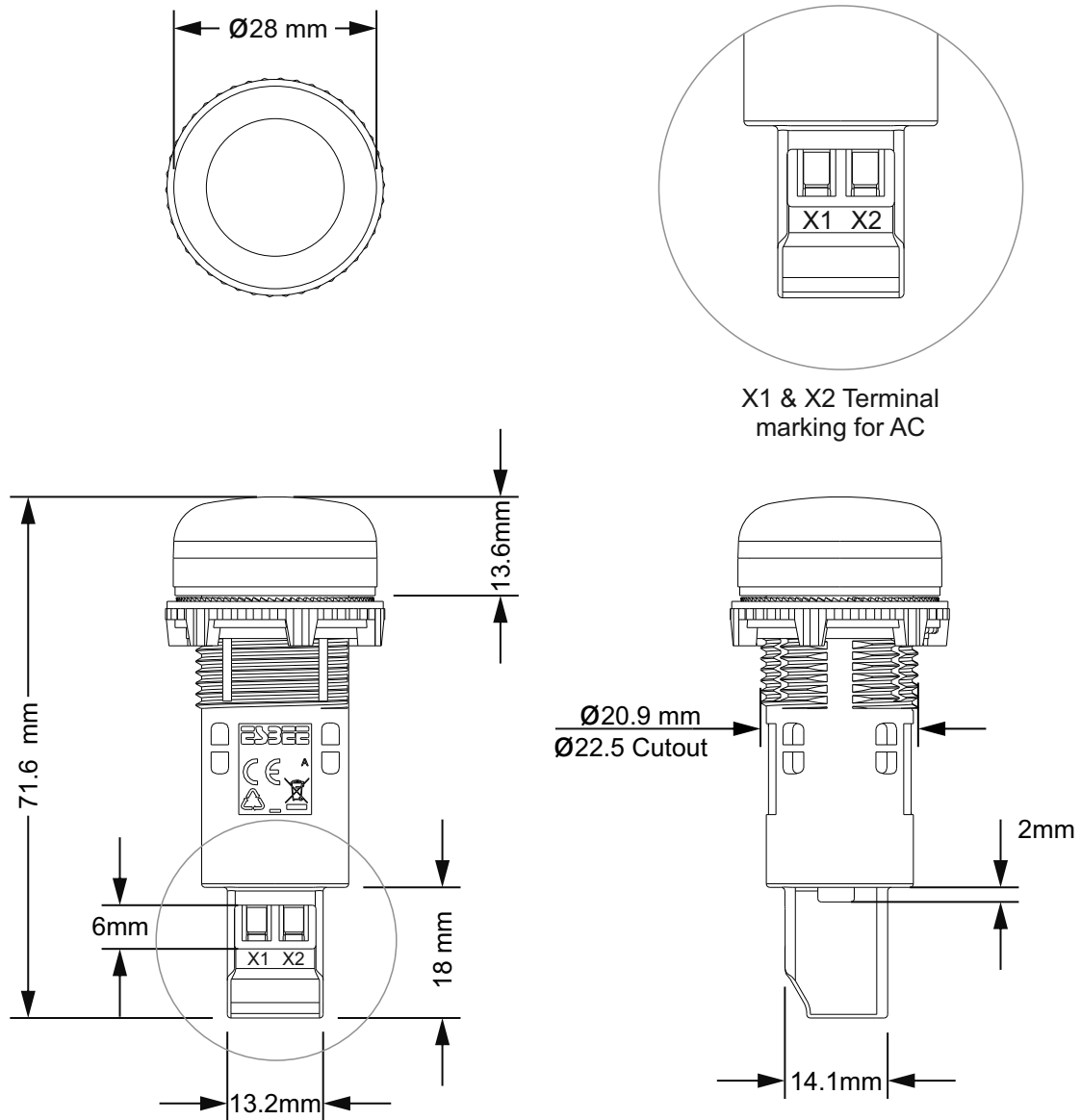
## FEATURES

Load Monitoring	Real-Time Current Display: Helps monitor the current drawn by equipment or circuits, ensuring they operate within safe limits.
Troubleshooting & Diagnostics	Quick Fault Identification: Enables fast identification of voltage presence or absence, aiding in pinpointing faults. Phase Imbalance Detection: In three-phase systems, helps detect uneven current distribution.
Panel Design Optimization	Compact Integration: 22.5mm voltage indicators are compact and easy to integrate into control panels without taking up much space. Compact & Modular Options: Easily integrated into modern panels with minimal space and wiring.
Preventive Maintenance	Early Fault Detection: Abnormal current patterns can indicate issues like motor wear, insulation failure, or loose connections. Predictive Alerts: Enables maintenance teams to act before a failure occurs, reducing downtime.

## STANDARD COMPLIANCE SPECIFICATION

CE	Comply
UL	Under process
Vibration	4G

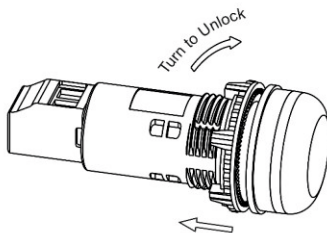
## TECHNICAL DRAWING



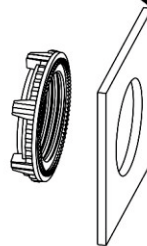
## PRODUCT MOUNTING INSTRUCTION MANUAL

### STEP 01

TURN LOCKING NUT  
ANTI CLOCKWISE DIRECTION

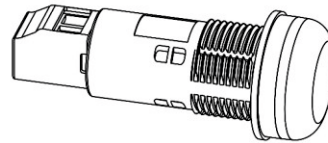


Panel Mount with  
22.5mm Cutout

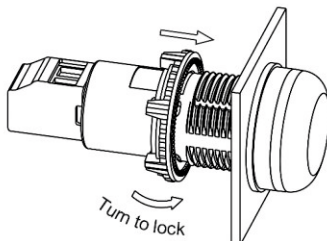


### STEP 02

INSERT DIGITAL INDICATOR  
INTO PANEL MOUNT HOLE

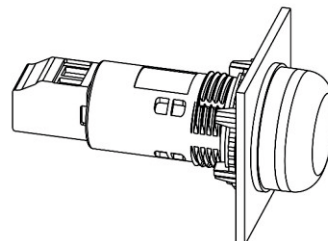


## DIGITAL INDICATOR PANEL MOUNTING



TURN LOCKING NUT  
CLOCKWISE DIRECTION

### STEP 03

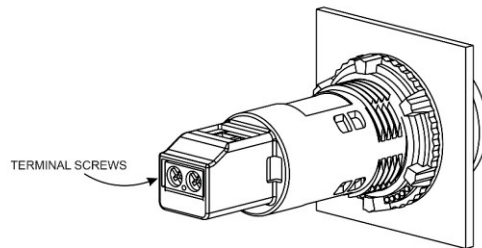


PANEL MOUNT  
INSTALLATION COMPLETE

## PRODUCT WIRING INSTRUCTION MANUAL

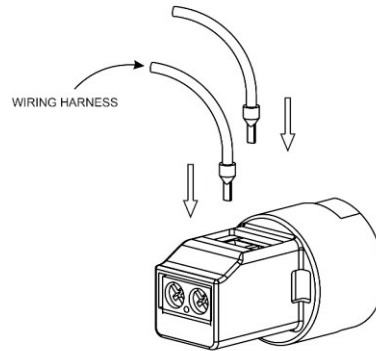
### STEP 01

UNSCREW TO OPEN TERMINALS  
IN ANTI CLOCKWISE DIRECTION

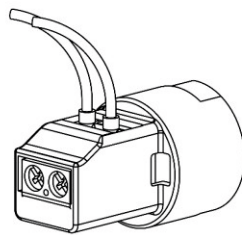


### STEP 02

INSERT WIRING HARNESS  
INTO TERMINAL CLAMP

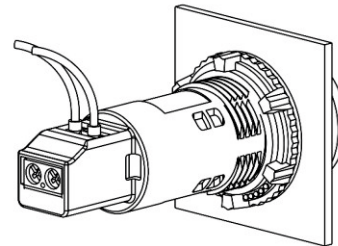


## DIGITAL INDICATOR WIRING



SCREW TO LOCK TERMINALS  
IN CLOCKWISE DIRECTION

### STEP 03

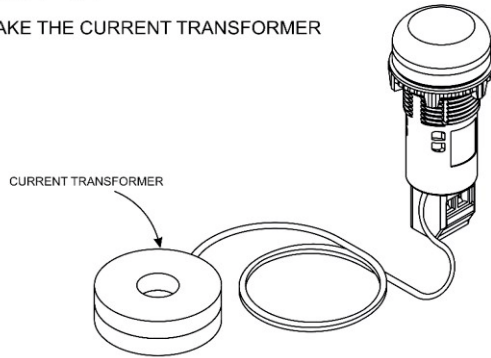


DIGITAL INDICATOR  
WIRING COMPLETE

## PRODUCT SETUP INSTRUCTION MANUAL

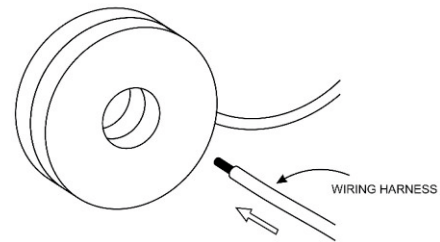
### STEP 01

TAKE THE CURRENT TRANSFORMER



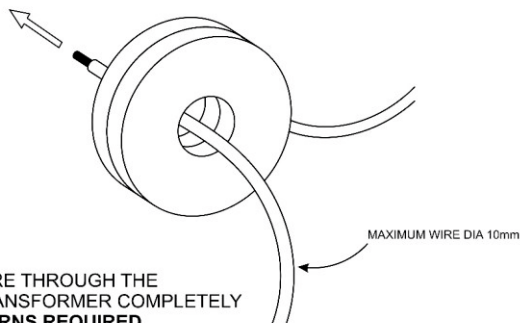
### STEP 02

TAKE THE WIRE  
THAT NEED TO BE MEASURE CURRENT

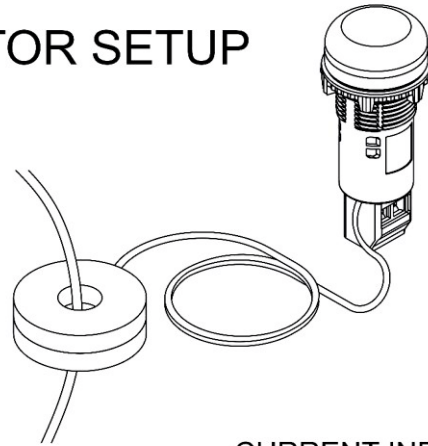


## CURRENT INDICATOR SETUP

PASS THE WIRE THROUGH THE  
CURRENT TRANSFORMER COMPLETELY  
**NOTE : NO TURNS REQUIRED**









### STEP 03



**CURRENT INDICATOR  
SETUP COMPLETE**

## CAT NO.

ECAR240A01		GEN1 CURRENT INDICATOR RED 240V AC
ECAY240A01		GEN1 CURRENT INDICATOR YELLOW 240V AC
ECAB240A01		GEN1 CURRENT INDICATOR BLUE 240V AC
ECAG240A01		GEN1 CURRENT INDICATOR GREEN 240V AC
ECAA240A01		GEN1 CURRENT INDICATOR AMBER 240V AC
ECAC240A01		GEN1 CURRENT INDICATOR CLEAR 240V AC

## PRODUCT VARIANTS

