

PRODUCT DATA SHEET

Specifications



Temperature Indicator °C/°F (240V AC)

ELECTRICAL

Rated Supply Voltage	240V AC
Operating Supply Voltage	80-240V AC
Input Current	< 40 mA
Input Wattage	<1 W
Temperature Indication Range	-40°C TO 80°C (Do not deep in any liquid)
Tolerance Scope / Accuracy @ ideal condition (1st harmonics)	+/- 1 Degree OR Fahrenheit
Tolerance Scope / Accuracy @ 5th harmonics condition	+/- 5 Degree OR Fahrenheit
Sensor Type	NTC/Moulded (Environmental) or Lug type (Body/surface)
Sensor Wire Length	1meter standard
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 @ 1MΩ
Display Type	7 Segment 3 digit (The indicator unit 'C' illuminates when the digital indicator detects the Temperature in Celsius or respective 'F' for Fahrenheit)
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	Process Industry, Monitoring Bus Bar Temp, Laboratory
Transportation	HVAC Container
Elevator	Pit inspection application
Appliances	Refrigeration, AC.

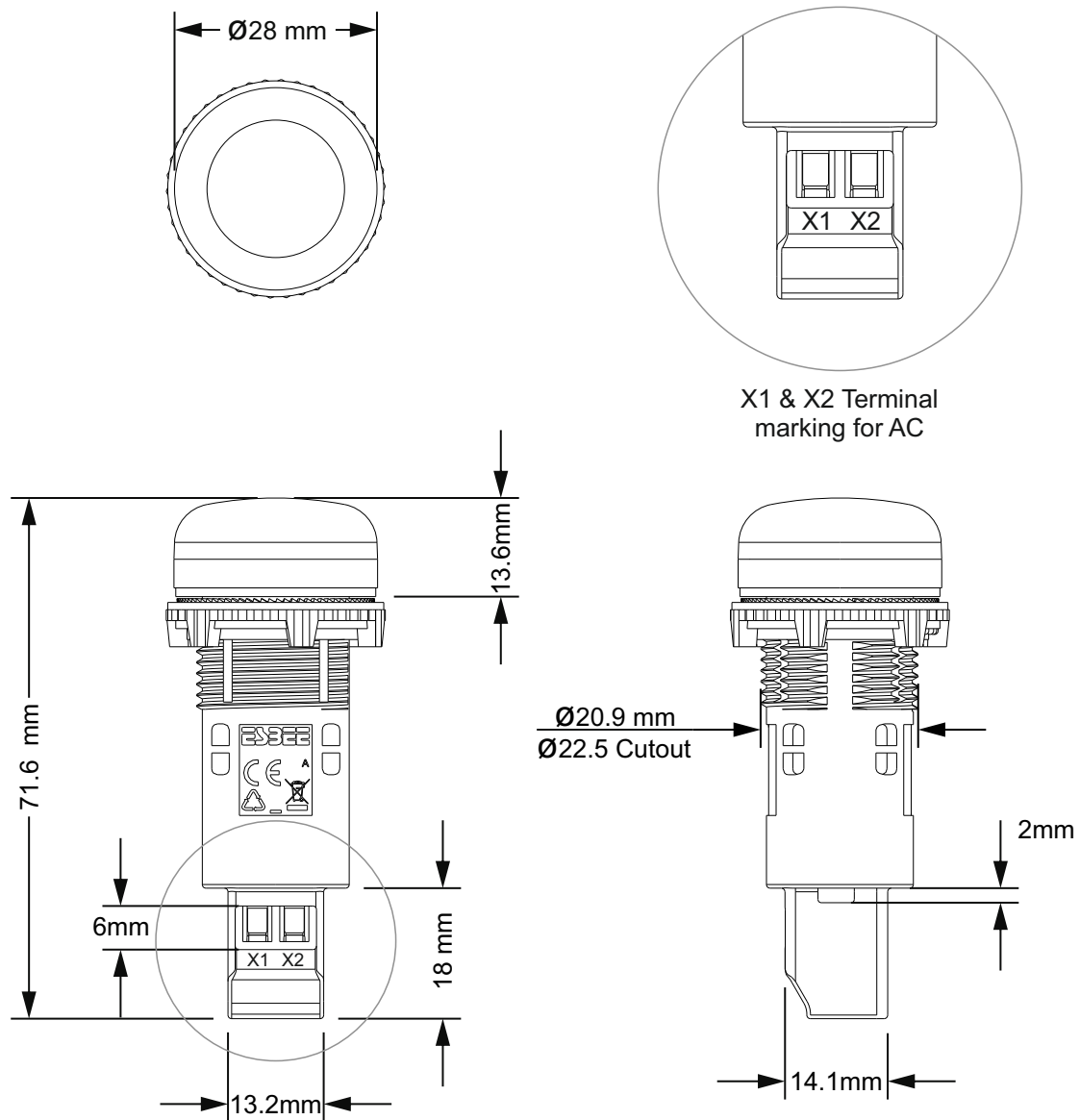
Features

Temperature Monitoring	Real Time : Monitor real time temperature of body or environment which leads in continuous operation
Troubleshooting & Diagnostics	Quick Fault Identification: Shows accurate temperature, helps to diagnostic HVAC system.
Panel Design Optimization	Compact Integration: Universal 22.5mm compact size and bright display can be easily fit any system with wide input voltage range
Preventive Maintenance	Predictive Alerts: Enables maintenance teams to act before a failure occurs, reducing downtime.

STANDARD COMPLIANCE SPECIFICATION

CE	Comply
UL	Under process
Vibration	4G

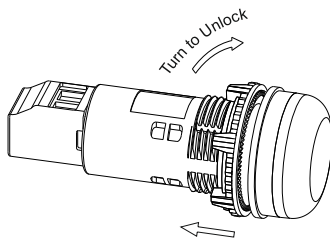
TECHNICAL DRAWING



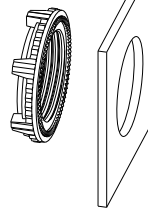
PRODUCT MOUNTING INSTRUCTION MANUAL

STEP 01

TURN THE LOCKING NUT
IN AN ANTI-CLOCKWISE DIRECTION

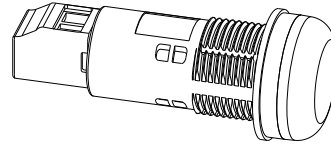


Panel Mount with
22.5 mm Cutout

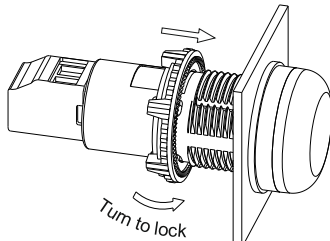


STEP 02

INSERT THE DIGITAL INDICATOR
INTO THE PANEL MOUNT HOLE

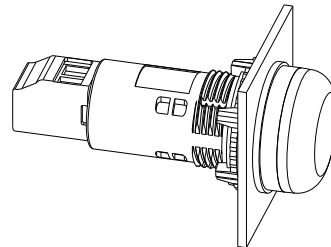


DIGITAL INDICATOR PANEL MOUNTING



TURN THE LOCKING NUT
IN A CLOCKWISE DIRECTION

STEP 03

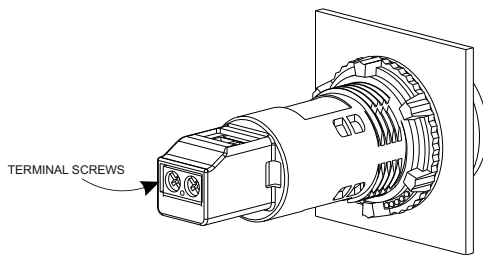


**PANEL MOUNT
INSTALLATION COMPLETE**

PRODUCT WIRING INSTRUCTION MANUAL

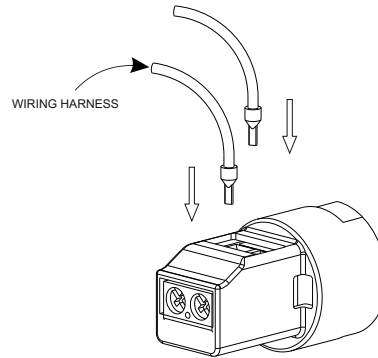
STEP 01

UNSCREW TO OPEN TERMINALS
IN AN ANTI-CLOCKWISE DIRECTION

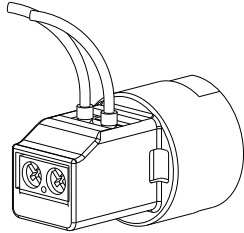


STEP 02

INSERT WIRING HARNESS
INTO THE TERMINAL CLAMP

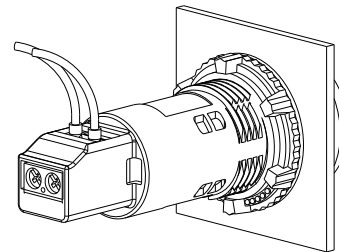


DIGITAL INDICATOR WIRING



SCREW TO LOCK TERMINALS
IN A CLOCKWISE DIRECTION

STEP 03

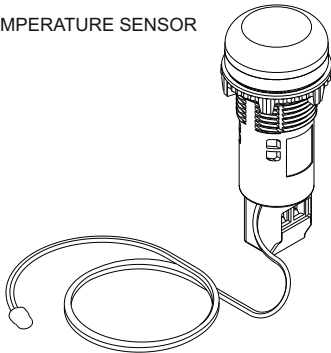


**DIGITAL INDICATOR
WIRING COMPLETE**

PRODUCT MOUNTING INSTRUCTION MANUAL

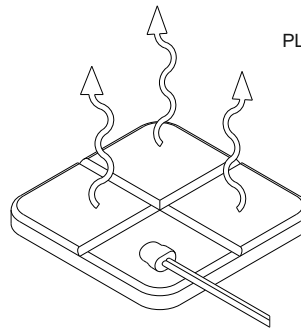
STEP 01

TAKE THE TEMPERATURE SENSOR

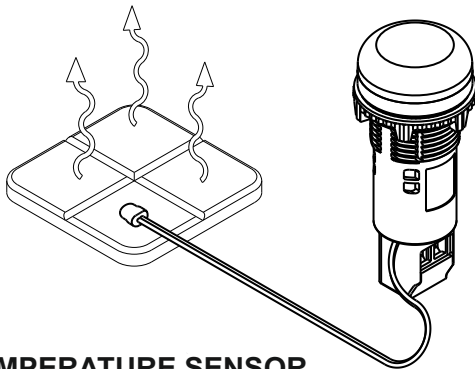


STEP 02

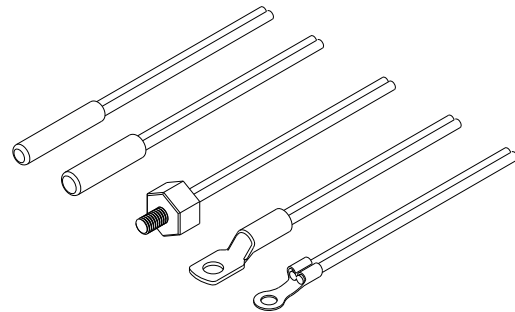
PLACE THE SENSOR ONTO
THE HEATED SURFACE



TEMPERATURE SENSOR FITMENT



**TEMPERATURE SENSOR
INSTALLATION COMPLETE**

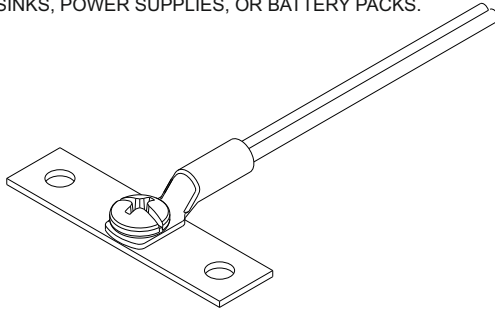


**SENSORS AVAILABLE
WITH VARIETY OF TIPS**

PRODUCT WIRING INSTRUCTION MANUAL

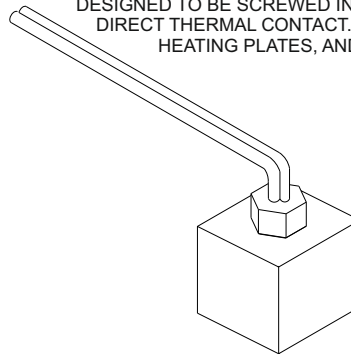
RING LUG OR EYELET TYPE SENSOR

MOUNTED USING A BOLT OR SCREW TO MEASURE THE TEMPERATURE OF FLAT SURFACES LIKE HEAT SINKS, POWER SUPPLIES, OR BATTERY PACKS.

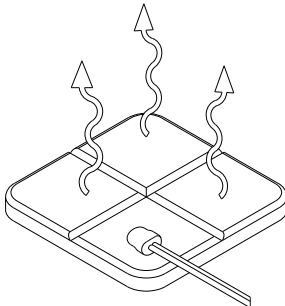


SCREW TYPE NTC TEMPERATURE SENSOR

DESIGNED TO BE SCREWED INTO METAL SURFACES FOR DIRECT THERMAL CONTACT. USED IN ENGINE BLOCKS, HEATING PLATES, AND INDUSTRIAL EQUIPMENT.

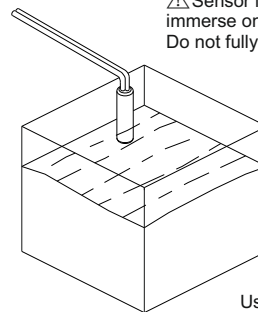


NTC TEMPERATURE SENSORS SUPPORTING COMPONENTS



Coated with epoxy resin for electrical insulation and moisture protection. Commonly used in consumer electronics, batteries, and general-purpose temperature sensing.

EPOXY SENSOR



⚠ Sensor is not IP-rated. To avoid damage, immerse only the probe tip into the liquid. Do not fully submerge the sensor body.

Used for measuring temperature in liquids, gases, or enclosed environments. Common in air conditioners, refrigerators, and water heaters.

ENCAPSULATED / PROBE TYPE SENSOR

CAT NO.

ETAR240A01		GEN1 TEMPERATURE INDICATOR RED 240V AC
ETAY240A01		GEN1 TEMPERATURE INDICATOR YELLOW 240V AC
ETAB240A01		GEN1 TEMPERATURE INDICATOR BLUE 240V AC
ETAG240A01		GEN1 TEMPERATURE INDICATOR GREEN 240V AC
ETAA240A01		GEN1 TEMPERATURE INDICATOR AMBER 240V AC
ETAC240A01		GEN1 TEMPERATURE INDICATOR CLEAR 240V AC

PRODUCT VARIANTS

