

PRODUCT DATA SHEET

Specifications



Temperature Indicator °C/°F (10V TO 26V DC)

ELECTRICAL

Rated Supply Voltage	24V DC
Operating Supply Voltage	10 VDC - 26 VDC
Input Current	< 50 mA
Input Wattage	<1 W
Temperature Indication Range	-40°C TO 80°C(Do not deep in any liquid)
Tolerance Scope	+/- 1 Degree OR Fahrenheit
Sensor Type	NTC/Moulded (Environmental) or Lug type (Body/surface)
Sensor Wire Length	1 meter standard
EFT	2 KV
Rated Insulation Voltage at Resistance	500 V AC @ 1M Ω
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% - 85%

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.

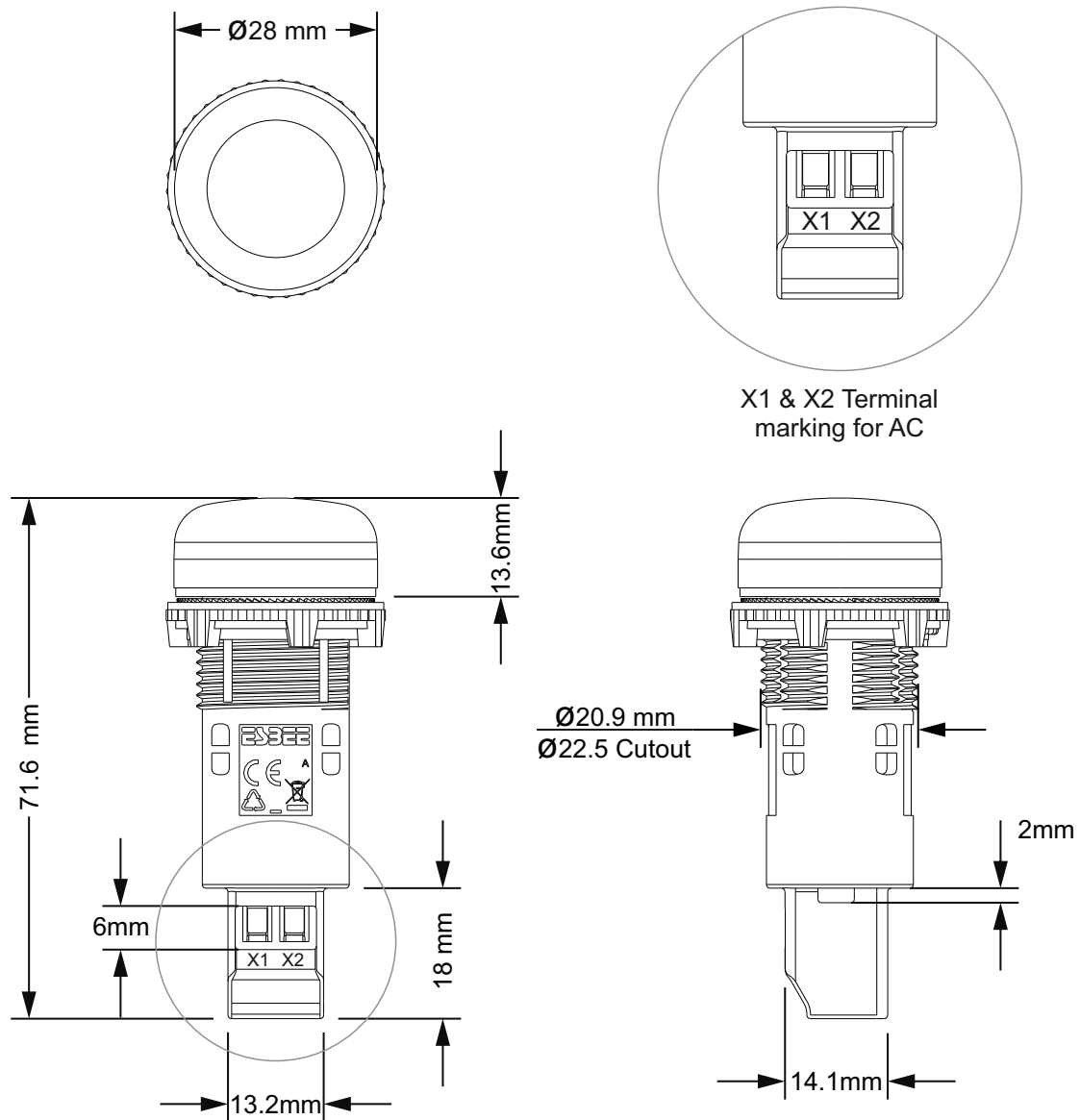
Features

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

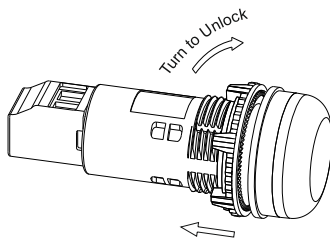
TECHNICAL DRAWING



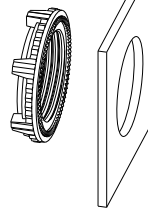
PRODUCT MOUNTING INSTRUCTION MANUAL

STEP 01

TURN THE LOCKING NUT
IN AN ANTI-CLOCKWISE DIRECTION

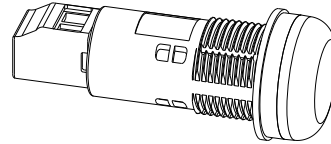


Panel Mount with
22.5 mm Cutout

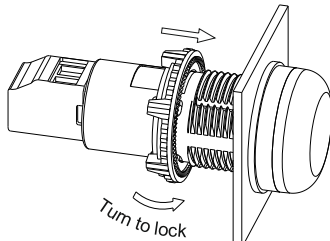


STEP 02

INSERT THE DIGITAL INDICATOR
INTO THE PANEL MOUNT HOLE

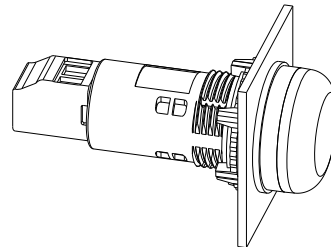


DIGITAL INDICATOR PANEL MOUNTING



TURN THE LOCKING NUT
IN A CLOCKWISE DIRECTION

STEP 03

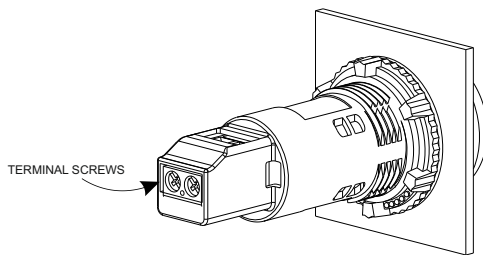


**PANEL MOUNT
INSTALLATION COMPLETE**

PRODUCT WIRING INSTRUCTION MANUAL

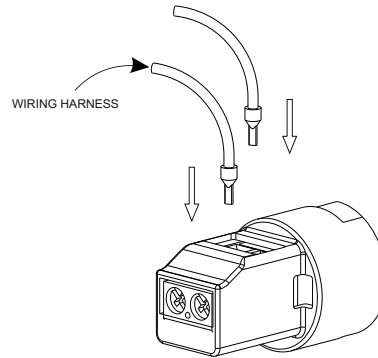
STEP 01

UNSCREW TO OPEN TERMINALS
IN AN ANTI-CLOCKWISE DIRECTION

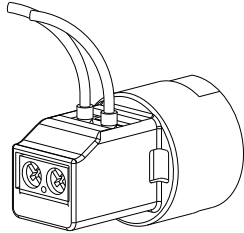


STEP 02

INSERT WIRING HARNESS
INTO THE TERMINAL CLAMP

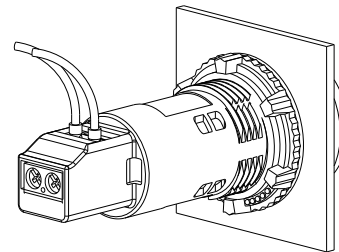


DIGITAL INDICATOR WIRING



SCREW TO LOCK TERMINALS
IN A CLOCKWISE DIRECTION

STEP 03

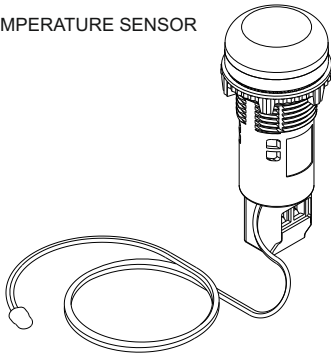


**DIGITAL INDICATOR
WIRING COMPLETE**

PRODUCT MOUNTING INSTRUCTION MANUAL

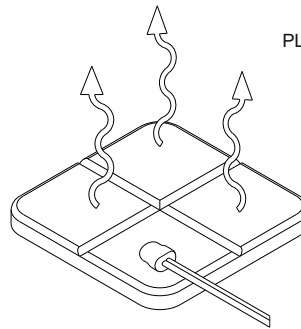
STEP 01

TAKE THE TEMPERATURE SENSOR

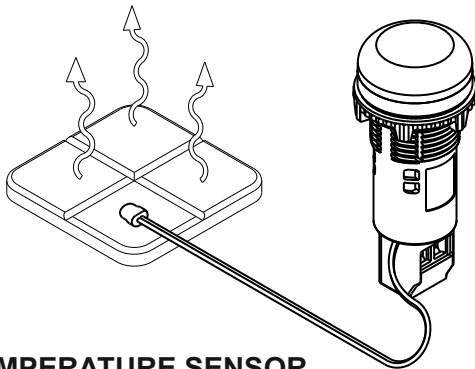


STEP 02

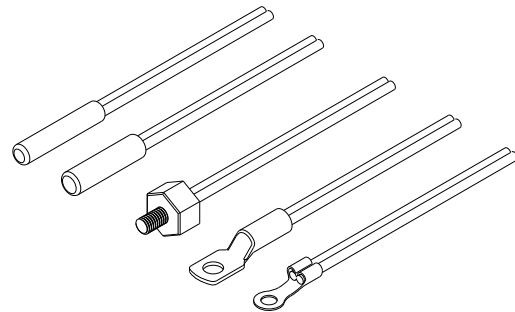
PLACE THE SENSOR ONTO
THE HEATED SURFACE



TEMPERATURE SENSOR FITMENT



**TEMPERATURE SENSOR
INSTALLATION COMPLETE**

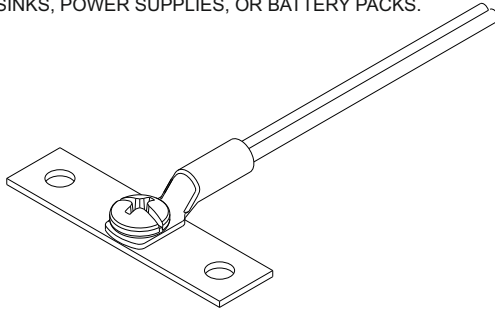


**SENSORS AVAILABLE
WITH VARIETY OF TIPS**

PRODUCT WIRING INSTRUCTION MANUAL

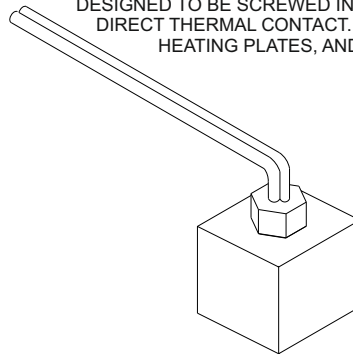
RING LUG OR EYELET TYPE SENSOR

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

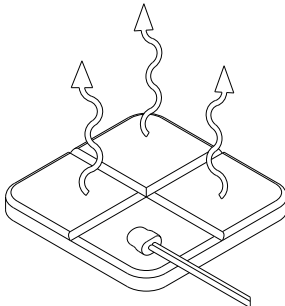


SCREW TYPE NTC TEMPERATURE SENSOR

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

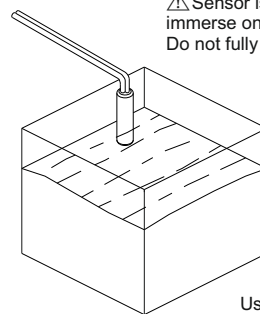


NTC TEMPERATURE SENSORS SUPPORTING COMPONENTS



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.

ETAR024D01		GEN 1 TEMPERATURE INDICATOR RED 024V DC
ETAY024D01		GEN 1 TEMPERATURE INDICATOR YELLOW 024V DC
ETAB024D01		GEN 1 TEMPERATURE INDICATOR BLUE 024V DC
ETAG024D01		GEN 1 TEMPERATURE INDICATOR GREEN 024V DC
ETAA024D01		GEN 1 TEMPERATURE INDICATOR AMBER 024V DC
ETAC024D01		GEN 1 TEMPERATURE INDICATOR CLEAR 024V DC

PRODUCT VARIANTS

