# TEMPERATURE INDICATOR                    TET-91I



The "TEMPERATURE INDICATOR" (TET-91I)" is specially designed to measure the temperature and display it or to transmit current signal to the process indicators or data loggers, which can help the user to monitor the temperature and to take necessary actions to maintain the room conditions as per the requirement or application
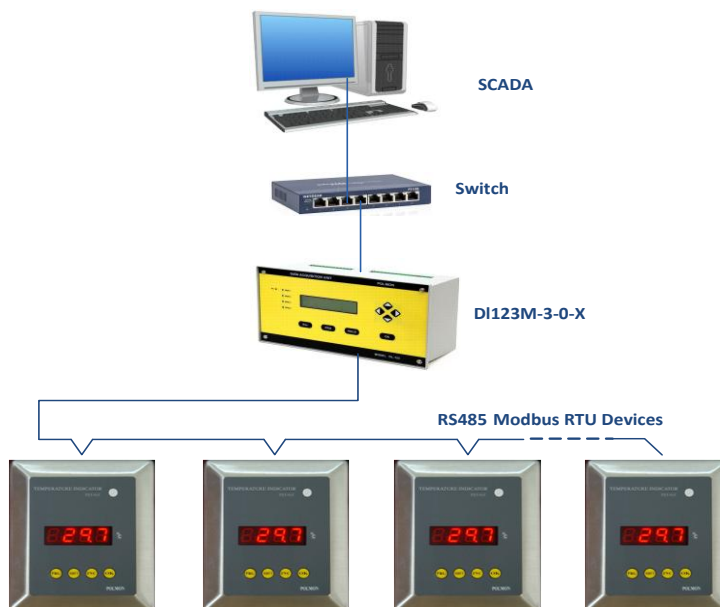
## Features

- Inbuilt sensor
- Absolute accuracy ±0.2% of FSR
- RS-485/4-20mA/Relay output

- Wall mounting
- Sensor break detection
- Alarms indication for set values

## Applications

- HVAC
- Pharmaceutical industry
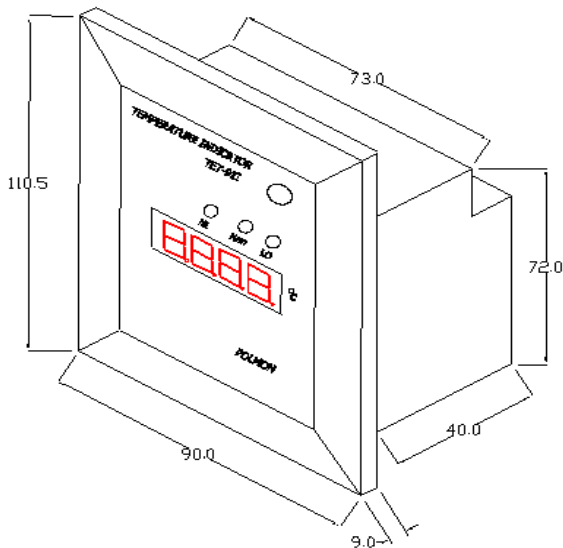- Blood Banks
- Horticulture

## Network Architecture



SCADA

Switch

Dl123M-3-0-X

RS485 Modbus RTU Devices

# Specifications

## Technical

| | |
|---|---|
| Model No | TET91I-R-X-X-X |
| Input Type | Inbuilt sensor |
| Measurement Range | 0°C to 60°C |
| Accuracy | ±1°C |
| Resolution | 0.1°C / 1°C |
| Output | RS-485 modbus (or) Proprietary |
| | Relay ((1 - NO, NC) |
| | 4-20mA retransmission O/P @500 Ω Load |
| Display Type | 7 Segment 0.39" LED Display |
| Sensor | Digital Output |
| Keypad | Tactile keys |
| Calibration | Software |

## Power Suppy

| | |
|---|---|
| Power supply | 24VDC,±7.5% 200mA |

## Physical

| | |
|---|---|
| Enclosure | MS Enclosure with North West single window SS faceplate |
| Dimensions (LxWxH) | 73X72X40 mm (Approx.) |
| Weight | 0.25 kg (Approx.) |
| Mounting | Brick / Modular wall mounting |

## Environmental

| | |
|---|---|
| Operating Temperature | 10 - 60°C |
| Humidity | 10-95%RH, Non-Condensing |

## Ordering Information for TET-91I

| TET-91I | X | X | X | X |
|---|---|---|---|---|
| *Model No.* | *Enclosure Type* | *O/P Type* | *Display Type* | *Future Use* |
| TET-91I | R-NFLP | 1 - RS-485 Communication (Proprietary/Modbus) | 0-No Display, No Alarms | X |
| | | 2 - 4-20mA | 1 - Display, With Alarms | |
| | | 3 – Relay | | |

## Mechanical Drawing for TET-91I



## Installation Drawing for TET-91I

All specifications are subject to change without notice.
Doc. Ref. TET-91I/210720/V1.0