

### Features

- On-line measurement
- 2 wire system
- 4-20 mA DC output
- Head Mount Transmitter
- Cold junction Compensation for thermocouple input



### Description

Electronet series TT-01 are head mount type temperature transmitters used for various industrial applications. It can accept input from RTD, J & K type of thermocouples & temperature signal is transmitted in the form of electrical 4 - 20 mA signal. Span / Zero adjustments are easily accessible. These transmitters are suitable for any make of sensor.



### Technical Specifications

| Performance Characteristics |                                                                |
|-----------------------------|----------------------------------------------------------------|
| Type of Input               | 1) RTD (PT-100 / PT-200 ) 2 or 3 Wire                          |
|                             | 2) Thermocouple (J / K Type)                                   |
|                             | 3) Resistance                                                  |
|                             | 4) millivolt (0 to 100 mV)                                     |
| Power Supply                | 24 V DC                                                        |
| Output                      | 4 - 20 mA DC (2 Wire Non-Isolated)                             |
| Calibration Range           | Factory Calibrated                                             |
| Accuracy                    | +/- 0.25% of F. S.                                             |
| Power Consumption           | < 40 mW                                                        |
| Response Time               | < 500 mSec                                                     |
| Temperature Coefficient     | +/- 0.01% per °C                                               |
| MOC Electronics Enclosure   | ABS Plastic                                                    |
| Mounting                    | DIN Rail / Head Mount                                          |
| Dimensions                  | DIN Rail : 86 mm (H) x 20 mm (W) X 58 mm (D) for Rail Mounting |
|                             | Head Mount : 30 mm (H) x 45 mm (Dia)                           |
| Weight                      | 250 gms                                                        |
| Ambient Conditions          | Temperature -20 to 55 °C / Humidity 5 to 95% non condensing    |
| Certification               | CE                                                             |

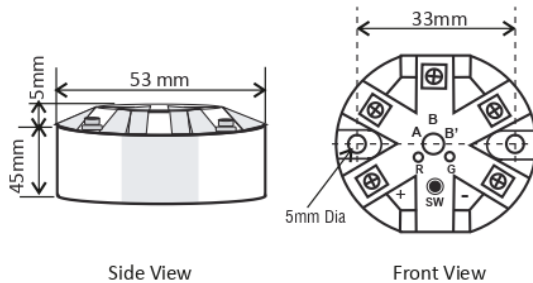
# TT 01

HEAD / RAIL MOUNT TEMPERATURE TRANSMITTER

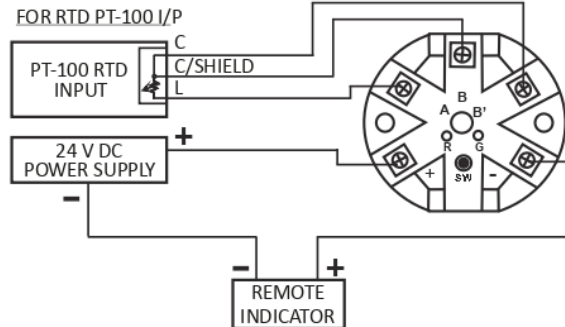


## Head Mount Type

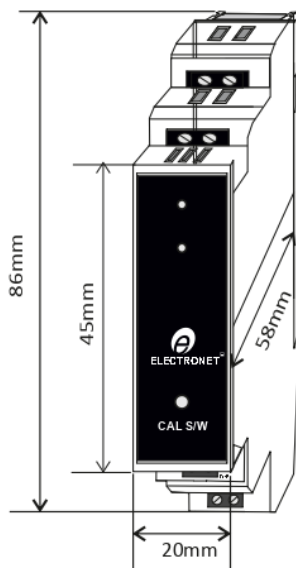
### Assembly Overview



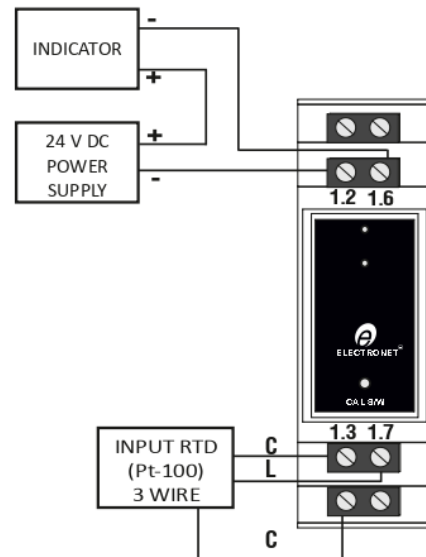
### Loop Diagram



### Assembly Overview



### Loop Diagram



## Ordering Information

Sample Order Code : TT01- TX1-A1-B1

| Parameter | Code | Description             |
|-----------|------|-------------------------|
| TX        | TX 1 | DIN Rail                |
|           | TX 2 | Head Mount              |
| A         | A1   | RTD                     |
|           | A2   | Thermocouple            |
|           | A3   | Resistance              |
|           | A4   | millivolt (0 to 100 mV) |

| Parameter | Code | Description    |
|-----------|------|----------------|
| B         | B1   | RTD PT-100     |
|           | B2   | RTD PT-200     |
|           | B3   | Thermocouple J |
|           | B4   | Thermocouple K |

Note : • Due to our continuous product revisions, design specification & model numbers are subject to change without notice.  
• Accuracy defined at Lab Conditions.  
• Sensor & other accessories to be ordered separately.  
• This product is meant for laboratory/Process application only and not for custody transfer application.

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