



## 4-20mA TEMP & HUMIDITY DUCT SENSOR

### TP-DS-RHT-MA FEATURES

- Accurate measurement of temperature and humidity
- Robust housing designed to be mounted in ductwork
- Quick and simple installation

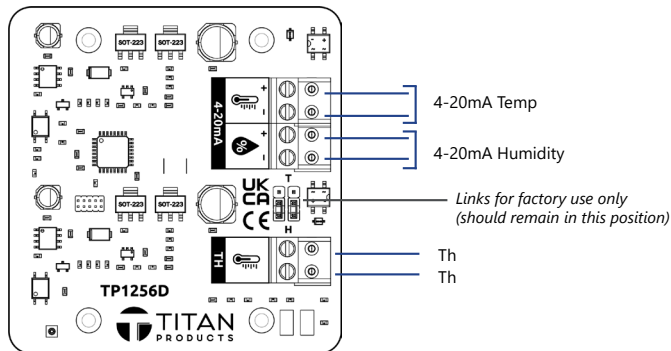
Featuring a robust housing for duct applications, the TP-DS-RHT-MA provides 4-20mA signals for relative humidity and temperature conditions in the measured space and incorporates a second resistive 10K3A1 temperature output with other thermistor types available on request.

### SPECIFICATION

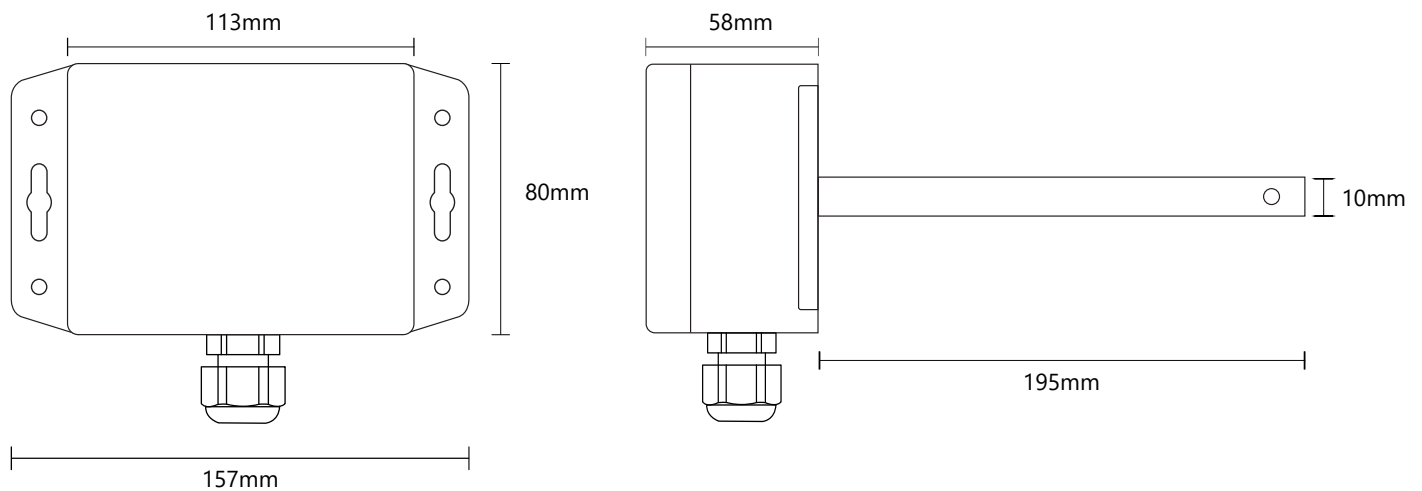
|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Material:                 | Flame Retardant Polycarbonate                                                        |
| Supply:                   | 4-20mA Loop Powered                                                                  |
| Power Consumption:        | 20mA max                                                                             |
| Outputs:                  | 4-20mA loop powered (0-100%RH)<br>4-20mA loop powered (0-50°C)<br>10K3A1 Resistive   |
| Accuracy:                 | Humidity: +/- 2%RH<br>Temperature: +/- 0.2°C                                         |
| IP Protection:            | IP65                                                                                 |
| Environmental Conditions: | -10 to +60°C<br>0-95% RH Non-Condensing                                              |
| Connections:              | Pluggable screw terminals for 0.3 to 1.5mm cable                                     |
| Recommended Cable:        | Screened, twin twisted pair 0.75mm to 1mm.<br>Screen earthed at controller end only. |
| Country of Origin:        | UK                                                                                   |
| Product Codes:            | TP-DS-RHT-MA-10K3                                                                    |



## CONNECTIONS



## DIMENSIONS



## INSTALLATION AND MAINTENANCE

- The sensor must be installed by a competent and suitably qualified person and maintained within its stated operating environment
- Sensor cables should be segregated from any mains carrying conductors and electrical noise emitting equipment such as fluorescent lighting.
- Ensure correct screw sizes are used.

For further install and setup information please contact [technical@titanproducts.com](mailto:technical@titanproducts.com)