



## SMART TEMP & HUMIDITY DUCT SENSOR

### TP-DS-RHT-BMS FEATURES

- Accurate measurement of temperature and humidity
- BACnet MS/TP & Modbus RTU communications
- Robust housing designed to be mounted in ductwork
- Quick and simple installation

### SPECIFICATION

Material:	Flame Retardant Polycarbonate
Supply:	24VAC/DC +/- 10% (AC supply required if using DO)
Power Consumption:	30mA (Does not include DO load if used)
Outputs:	BACnet MS/TP or Modbus RTU 1 x DO rated at 80mA
Inputs:	1 x DI
Accuracy:	Humidity: +/- 2%RH Temperature: +/- 0.2°C
IP Protection:	IP65
Environmental Conditions:	-10 to +60°C 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. Screen earthed at controller end only.
BACnet Baud Rates:	9600, 19200, 38400, 76800
Modbus Baud Rates:	9600, 19200, 38400, 57600
Country of Origin:	UK
Product Codes:	TP-DS-RHT-BMS

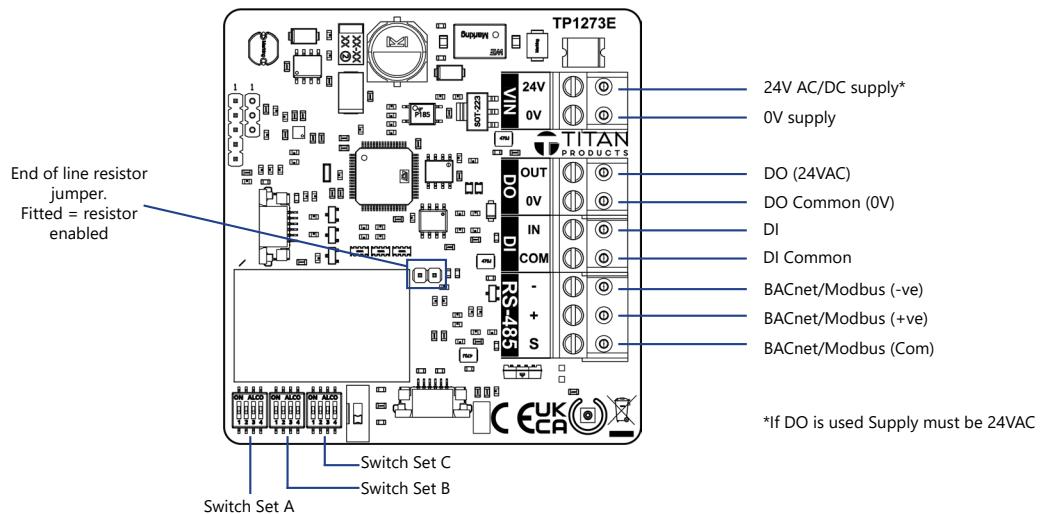
Featuring a robust housing for duct applications, the TP-DS-RHT-BMS exposes the temperature and relative humidity and temperature environmental measurements directly onto a BACnet MS/TP or Modbus RTU RS485 network.

The sensors also incorporate in-built, networkable I/O with 1 x Digital Output (DO) and 1 x Digital Input (DI) allowing flexible on/off environmental and non-environmental control loops to be set up via the BACnet communications.

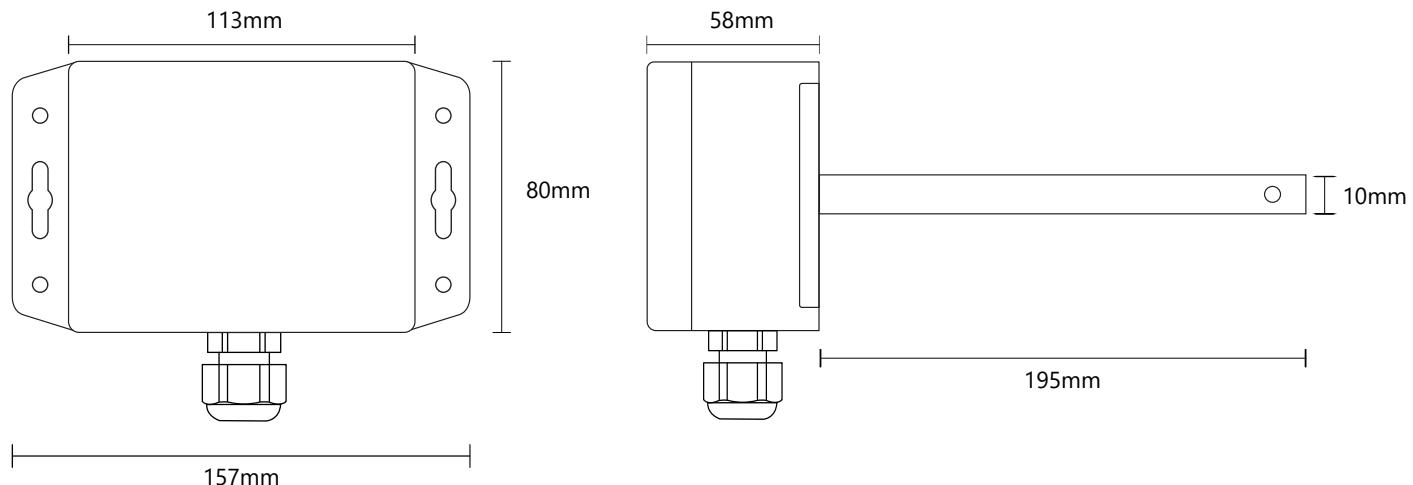
Easily addressed via the on-board DIP switches, the sensors are ideal for a wide range of applications.



## 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)