



T24-WSS

mantracourt

Wireless Wind Speed Transmitter Module



Introduction

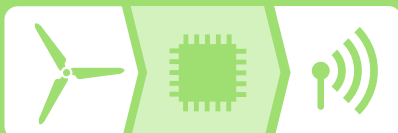
The T24-WSS wireless wind speed transmitter module features a high quality 3-cup rotor anemometer rotor providing measurements in m/s, fps, mph or km/h.

Forming part of the T24 modular telemetry system, the data transmitted by the T24-WSS can be received by multiple T24 receivers that include displays, handheld readers, analogue outputs, relay modules and computer interfaces. T24 transmitters have been designed for battery operation and support an ultra low-power sleep mode whilst offering class leading wireless coverage and range. Configurable transmission rates from once per day to 200 per second cope with a wide range of measurement and monitoring applications.

Measuring wind speeds between 5 mph to 125 mph the T24-WSS is powered either from internal batteries or an external supply. For applications which require high sampling rates for long periods Mantracourt's power pack PP1 and solar panel SP1 offer an ideal solution.

Product Features

- Wireless range up to 800 m (2,600 ft)
- Can be linked to a variety of the T24 peripherals
- Variable sampling
- Supplied pre calibrated
- Long battery life
- Variety of different outputs units available
- Free visualisation software



System Overview



TRANSMITTERS RECEIVERS COMPATIBLE SENSORS

T24 Wireless Telemetry Sensor System is a modular wireless solution for industrial sensor applications.

High accuracy, high quality measurement is interfaced with simple yet powerful configuration and monitoring software.

Specifications

Battery Life transmitting result every 2 seconds

| | |
|---|-----------|
| Pair DD cells constantly on | 14 days |
| Pair DD cells 12 sessions per day of 5 mins | 10 months |

Power Supply

| | |
|------------------------------|----------------|
| Internal batteries (D cells) | 2.1 to 3.6 Vdc |
| External power supply | 5 to 18 Vdc |

Radio

| | |
|-----------------|----------------------------|
| Radio type | Licence exempt transceiver |
| Radio frequency | 2.4 GHz |
| Transmit power | 10 mW |
| Range | Up to 800 m |

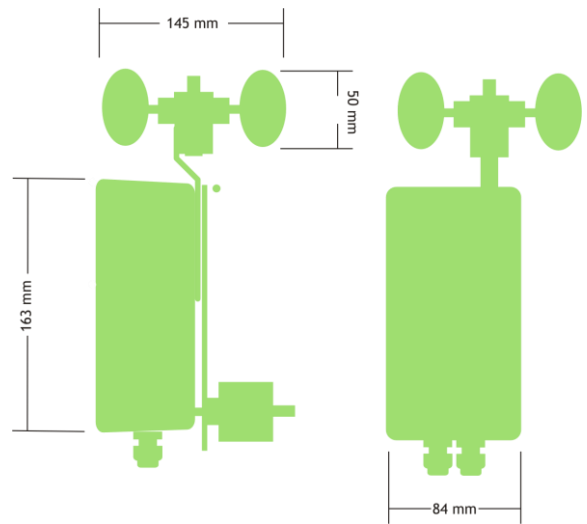
Environmental

| | |
|--|--------------------|
| Operating temperature range | -20 to 55 °C |
| Storage temperature range (no batteries) | -40 to 85 °C |
| Maximum humidity | 95% non-condensing |
| IP rating (ACM and ACMi) | IP67/Nema4 |

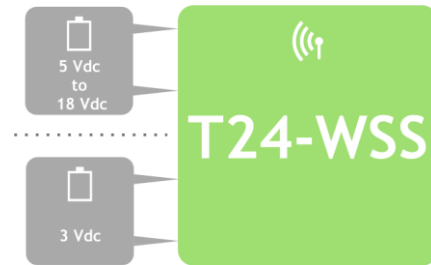
Measurement Specifications

| | |
|-----------------------|-------------|
| Input range | 8 – 125 mph |
| Accuracy 5 to 10 mph | ±0.5 mph |
| Accuracy 10 to 50 mph | ±4% |

Mechanical



Electrical



Order Codes

T24-WSS

Wireless wind speed transmitter module

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