

Wireless Monitoring System

Tempsens wireless temperature transmitter & receiver used to measure the temperature of RTD & Thermocouple(Universal) sensors. It is battery operated, accurate temperature transceiver based on wireless technology. Wireless temperature transmitters are widely used in applications., where wiring is not feasible. Wiring expenses are eliminated with modern wireless technology.

Features

- **Measurement Inputs** : RTD & Thermocouple (Universal)
- **Radio Frequency band** : 430/ 470/ 868/ 915 MHz(Optional)
- Transmit Temperature Value, Battery Status and signal strength
- **Longer Battery life** : More than 1 year.
- **Wireless parameters** : Configurable
- Long Distance Wireless Communication

Head Mount (WTT 09H)

- **Enclosure Material** : Cast Aluminium
- **Enclosure Protection** : IP 67
- **Process Connection** : ½" BSP(F)
- **MOC** : SS316L

Wall Mount (WTT 09W)

- **Enclosure Material** : ABS
- **Protection** : IP 67

Wireless Temperature Transmitter WTT 09H & WTT 09 W



Head Mount
WTT 09 H



Wall Mount
WTT 09 W

Specifications

Input	RTD & Thermocouple
Battery Options	3 V CR 123(Operating Temp. upto 70°C)
	3.6V Lithium battery(Operating Temp. upto 60°C)
Battery Working Life	1 year(if transmission interval is 1 min. @ 25°C ambient)
Accuracy	0.1 % of full scale
Resolution	0.1°C
Maximum Range in Open Area	100 meters line of sight(40 m indoors)
Operating Temperature Range	-30°C ~ +60°C with Lithium Battery (upto 70°C with CR 123 Battery)
RF Frequency	433/470/868/915MHz (optional)
Transmit Power	20dbm (adjustable)
Transmit Interval	1 Min ~ 60 Mins (user configurable)
Low Voltage Alarm	Yes (user definable)
Temperature Alarm	Yes (user definable)
Standby Current	<5uA
Waterproof Level	Ip67