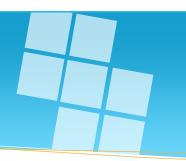# Wireless Sensors & Systems

Z-TEMP-T-RH

AMBIENT TEMPERATURE & RH WIRELESS TRANSMITTER

- Measures Ambient Temperature and Relative Humidity
- High accuracy, low cost unit
- Choice of enclosure types
- Long battery life
- User selectable update rates
- Based on ZigBee Protocol

Description

The Z-TEMP-T ambient temperature and relative humidity transmitter has been designed to operate with the range of wireless receivers designed and manufactured by Industrial Interface.

Either ambient temperature alone or both temperature and humidity measurements can be specified. (see Z-TEMP-T)

Typically the unit transmits the measured values back to a Z-PORT which can be connected to an Ethernet or RS232/485 communications network.

The unit is specially designed to maximise battery life and in a typical application the battery life can exceed three years.

Two mounting head styles are available, an industrial wall or ceiling mounting unit or a commercial style version.

Accessories include a DIN rail mounting clip and cap retaining strap.

Enclosure Styles

Style	Industrial Head
Orientation	Any
Wall/Ceiling Mounting	2 x 3mm screws
Enclosure Size	85mm dia x 57mm deep
Weight	Approx 70g

Style	Commercial Enclosure
Orientation	Any
Wall/Ceiling Mounting	2 x 4mm screws/adhesive
Enclosure Size	80 x 80 x 22mm
Weight	Approx 70g

Technical Specifications

Parameter	Min	Typ	Max	Comments
Supply Voltage		3.6V		Battery Powered
Supply Current (mA)			40	When transmitting data
Battery life		100kΩ		Dependent on upgrade rate
Ambient Temperature Range	–40°C		80°C	
Relative Humidity Range	0%		100%	
Temperature Accuracy		+/–0.5°C		At 30 °C
Relative Humidity Accuracy		+/– 3%		Between 10 and 90% RH

Ordering Information

Please Supply:

Part Number	Z–TEMP–T–RH–X
X=1	Commercial enclosure
X=2	Industrial Enclosure
For Example Z–TEMP–RH–1	Ambient Temperature & RH in Commercial Enclosure