Industrial Interface *The Signal Conditioning People*
Z-TEMP
AMBIENT TEMPERATURE and RH ZIGBEE TRANSMITTER

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

Description

The Z-TEMP ambient temperature and humidity transmitter has been designed to operate with the range of ZigBee components manufactured by Industrial Interface.

Either ambient temperature alone or both temperature and humidity measurements can be specified. 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 two 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.

Ordering Information Please supply:	
Part Number:	Z-TEMP-X-Y
X = 1	Ambient Temp Only
X = 2	Ambient Temp and RH
Y = 1	Industrial Enclosure
Y = 2	Commercial Enclosure
For Example: Z-TEMP-1-2	Ambient Temperature only in Commercial Enclosure

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 22 mm
Weight	Approx 70g

Parameter	Min	Typ	Max	Comments
Supply Voltage		3.6V		Battery Powered
Supply Current (mA)			40	When transmitting data
Battery Life		2 Years		Dependent on update rate
Ambient Temperature Range	-40ºC		80ºC	
Relative Humidity Range	0%		100%	
Temperature Accuracy		+/- 0.5 deg C		At 30 deg C
Relative Humidity Accuracy		+/- 3%		Between 10 and 90% RH