





## Specifications

### WIRELESS COMMUNICATION

**Standard:** IEEE 802.15.4, DSSS

**Frequency:** 2.4 GHz (2400 to 2483.5 MHz), 16 channels

**Network Topology:** Star topology

**Transmit Power:** 9.5 dBm

**Receiver Sensitivity:** -96 dBm

**Range:** Up to 1000 m\* (3280')

\*Without obstructions or interference

### POWER

**Input Voltage:** 5 to 36 Vdc, 24 Vac ±10%

**Input Power:** 0.8 W maximum

**Safety Qualified AC Power Adaptor (Optional):**

**Nominal Output:** 5 Vdc @ 0.6 A

**Input:** 100 to 240 Vdc, 50/60 Hz

**Operating Temperature:** 0 to 40°C (32 to 104°F)

**Alkaline Battery:** Two C-cell 1.5 Vdc (included)

**Lifetime:** Estimate of 2 years with frequency of 1 reading per 2 minutes

**Lithium Back-Up\*\* Battery:** CR2032 (included)

\*\* RTC back-up only.

### ENVIRONMENTAL

**Operating Conditions:**

**Base Unit:** -20 to 70°C (-4 to 158°F), 90% RH non-condensing

**CR2032 Battery:** -20 to 60°C (-4 to 140°F), 90% RH non-condensing

**Alkaline Battery:** -18 to 55°C (-0.4 to 131°F), 90% RH non-condensing



ZW-ED shown smaller than actual size.

### PACKAGING

**Enclosure Material:** Polycarbonate

**Enclosure Protection:** NEMA 4 (IP65)

**Enclosure Dimensions:** 135.9 L x 82 W x 39 mm D (5.35 x 3.23 x 1.56")

### GENERAL

**Agency Approval:** ECCN 5A992, EMC 2014/30/EU, LVD 2014/35/EU, RED 2014/53/EU

**Software:** Compatible with the OMEGA® Dashboard

To Order	
Model No.	Description
<b>Wireless End Device (Transmitter)</b>	
ZW-ED	Wireless end device for use with probes
ZW-ED-LCD	Wireless end device for use with probes, LCD display
<b>Accessories</b>	
DM12CAB-8-1-RA	1 m (3.3') dual M12-8 connector, right angle terminator
DM12CAB-8-3-RA	3 m (9.8') dual M12-8 connector, right angle terminator
DM12CAB-8-5-RA	5 m (16.4') dual M12-8 connector, right angle terminator
UNIV-AC-100/240-5-M8	Universal AC adaptor with M8 connector
<b>Wireless Coordinator (Receiver)</b>	
ZW-REC	Wireless receiver

### Compatible M12 Digital Probes

Model No.	Description
zTP1-P	Stick probe temperature probe
zTP2-P	Lug mount probe temperature probe
zTHP-P	Industrial temperature and humidity probe
zTHP2-P	Compact industrial temperature and humidity probe
zBTP-P	Industrial temperature and barometric pressure probe
zBTHP-P	Industrial temperature, humidity and barometric pressure probe

Comes complete with 2 C-cell batteries and CR2032 battery.

**Note:** Because of transmission frequency regulations, these products may only be used in the US, Canada, Europe, and China.