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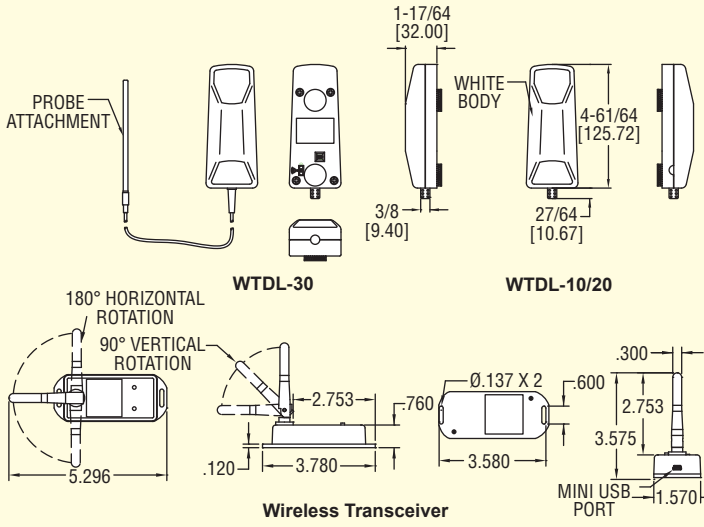
Series WTDL

Wireless Temperature/Humidity Data Logger

Transmission up to 400 Feet, Text/Email Alarm Updates

CE



The Series WTDL Temperature/Humidity Data Logger is perfect for applications which require real time monitoring or areas that are not as accessible to periodically retrieve the data. The data loggers can transmit up to 500 feet indoors and up to 2000 feet outdoors. The distance can be increased by using additional receivers. Wireless data is transmitted on a 2.4 GHz frequency allowing it to be used anywhere in the world. A network of data loggers can be separated into a smaller subnet. These subnets can all be controlled by a single PC. The Series WTDL data loggers also feature a user programmable alarm. This alarm can be configured to show an on screen alarm, send a text message (standard SMS rates apply) or an email if an alarm condition is met.

Model	Description
WTDL-10	Temperature data logger
WTDL-20	Temperature data logger with humidity output
WTDL-30	Temperature data logger with probe attachment

ACCESSORIES

Model WTDL-RX, Wireless transceiver, USB cable, software CD, software manual, A/C adapter

TLH-5903, Replacement Battery

SPECIFICATIONS

Temperature Range: WTDL-10/WTDL-20: -4 to 176°F (-20 to 80°C); WTDL-30: -328 to 500°F (-200°C TO 260°C) for probe.
Humidity Range: WTDL-20: 0 to 95% RH.
Temperature Accuracy: WTDL-10/WTDL-20: 0.9°F (0.5°C) from 32 to 122°F (0 to 50°C); WTDL-30: 0.18°F (0.1°C) from -4 to 176°F (-20 to 80°C), 0.9°F (0.5°C) outside of specified range.
Humidity Accuracy: WTDL-20: ±3.0% RH, ±2% typical at 77°F (25°C).
Temperature Resolution: 0.018°F (0.01°C).
Humidity Resolution: WTDL-20 only: 0.1% RH.
RF Carrier Frequency: 2.45 GHz.
Band: ISM band 2.405-2.48 GHz.
Maximum Power Output: +0 dBm typical.
Wireless Transmission Range: 2000´ (610 m) outdoors, line of sight; 500´ (152 m) indoors.
Receiver Sensitivity: -95 dBm typical.
Memory Size: WTDL-10/WTDL-30: 30,000 Readings; WTDL-20: 15,000 readings per channel, software configurable memory wrap.
Sampling Method: Stop on memory full or continuous recording.
Sampling Rate: 2 sec to 24 hrs.
Temperature Limits: -4 to 176°F (-20 to 80°C).
Humidity Limits: 0 to 95% RH.
Computer Requirements: Windows® Xp Sp3, Windows Vista®, Windows® 7.
Computer Interface: WTDL-RX.
Power Requirements: 3.6 V TL-5104 lithium metal battery, installed functional, user replaceable.
Battery Life: 2 years (approx.).
Housing Material: ABS plastic.
Weight: 0.25 lb (113.4 g).
FCC Approval: FCC ID# OA3MRF24J40MA.
Agency Approvals: CE.

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