Display MDT - Metering Data Transceiver With Display

The Tehama Wireless Display MDT combines our proven MDT transceiver with a remote LCD display to provide the easiest and most accurate way to comply with tenant meter access requirements in California and elsewhere. The Display MDT is installed in the tenant space and easily wired to the meter. The LCD screen displays the consumption for 30 seconds when the button is pushed.

The Display MDT comes in four versions: Single pulse, Dual pulse, Single encoder, and Encoder + pulse. The initial meter read and count factor, along with units and Hot/Cold designation are programmed into each MDT using a special USB cable connected to a PC/Tablet running our CIT software. Once configured, the LCD display will show the same consumption value as on the meter face. All four programmed parameters transfer to the DCAP for seamless integration into the data provided by the CIT and daily reports.

The Display MDT has a specialized enclosure with a standard sized wall plate back piece that mounts to a standard 1-gang electrical box for a professional looking installation.

The unit is powered by two AA batteries providing a five year battery life under typical conditions. A Display Only version with no RF function is also available which will operate for ten years under typical conditions with the two AA batteries.

The unit is NTEP certified, #16-013. California Weights and Measures accepts the NTEP approval.

Specifications

Inputs Options	• Pulse signal from electric, run-time, gas or water meters • Encoded protocol, Neptune or Sensus compatible meters • Internal temperature sensor
Maximum Cable run	• 150 feet for Pulse units, 24 AWG wire twisted pair • 150 feet for Encoder units, 24 AWG wire twisted pair
MDT Data Storage	• TW-165B-P: None • TW-165B-PTx: Up to 4000 data pts. (over 32 days @ 15 Min interval)
Data Resolution	• TW-165B-P: 1 hour interval • TW-165B-PTx: 15 minute interval
Radio	902 – 928 MHz; FCC Certified; Open field range of up to 2000 feet*
LED	Indicates RF network connection status
LCD	Displays meter count value, Activated for 60 seconds by button push. Dual pulse unit alternates display between Hot and Cold readings

Operating Environment	-20 to 145 degree F, up to 90% RH, non-condensing.
Power	Two AA Alkaline batteries (included)
Typical Battery Life	Up to 5 years @ 50º to 90º F, reduced at extreme temperatures Display-only function: Up to 10 years @ 50º to 90º F
Dimensions	Gang Box Case: 4.5" x 2.75" x 1.2"

*Actual range may vary depending on installation location and topography.

Models

Display MDT, Pulse Inputs, Battery powered	TW-165B-P TW-165B-PP TW-165B-PT TW-165B-PPT TW-165B-PI TW-165B-PIT	**-P**: Single pulse input counter, one hour interval data transmissions, no on-board memory. **-PP**: Adds second pulse input. **-PT**: Adds 15 minute guaranteed* Time-of-Use interval data with on-board Data Logging. **-PPT**: Adds second pulse input and 15 minute guaranteed* Time-of-Use interval data with on-board Data Logging memory. **-PI**: Adds internal Temperature monitoring. **-PIT**: Adds Time of Use and Temperature monitoring.
Display MDT, Encoder input, Battery powered	TW-165B-E TW-165B-EP	**-E**: Encoder input, one hour interval data transmissions, no on-board memory **-EP**: Encoder input plus Pulse input. One hour interval data, no on-board memory
Remote Display, Battery powered	TW-105B-P TW-105B-PP TW-105B-E TW-105B-EP	**-P**: Single pulse input remote display, no radio function. **-PP**: Dual pulse input remote display, no radio function. **-E**: Encoder input remote display, no radio function. **-EP**: Encoder + Pulse input remote display, no radio function.

*: Adequate repeater coverage is required for guaranteed delivery.

Contact us:

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