



MWT-D & MWR Din Rail Mount Solution

“Secure Wireless Access Anywhere”

Meriam Industrial Wireless utilizes Frequency Hopping Spread Spectrum (FHSS) technology to hop to the different frequencies within the 902 to 928 MHz band.

The DIN rail mount wireless system can be used in general purpose or industrial operations. The system consists of a stand alone DIN rail mountable transmitter and receiver for a simple point-to-point solution or up to 60 transmitters can communicate with up to 4 receivers for a multipoint solution. The system is programmable for a 4-20 mA analog bridge, thermocouple, RTD, or a pressure sensor.



MWT Inputs (3 per unit)

- 4-20mA, 0-10V, or pressure sensor
- Thermocouple, RTD 100Ω 2, 3, or 4 wire
- Discrete (contact closure)

MWR Outputs

- RS232 – Modbus
- 4-20mA, 0-10V (selectable to input)
- Discrete opto-isolated output
- Relays (3) Form ‘C’
- Low battery alarm
- User specified

Specifications and Standard Features



	<u>MWT-D (Transmitter)</u>	<u>MWR (Receiver)</u>
Frequency Range	902-928 MHz	902-928 MHz
Transmit Power	3000 feet (no line of sight) 20 miles (clear line of sight)	
Transmit Interval	1mW to 1W (programmable)	
Power	Value in seconds (programmable) AC: 85 to 265 VAC DC: 12 to 32 VDC Battery: 2 to 4 lithium D cells	12 to 32 VDC
Operating Temperature	AC: -25°C to 70°C (-13° to 158°F) DC & Battery: -40°C to 85°C (-40° to 185°F)	
Power Consumption	4W @ 1W transmit power 1.65W @ 100 mW transmit power Battery life: up to 5 years	1.12W
Serial Port	RS-232 via RJ11-6 (configuration)	RS232 via DB9F (configuration & data)
Approvals	FCC & UL (Canada & US)	