

TITAN

T-MR-(WS/WF/CN/KN/LW)

TECHNICAL SPECIFICATIONS

Electrical

- AC Supply voltage: 100 VAC ~ 240 VAC 50 / 60 Hz.
- Consumption: Max 3.0 W.
- Operating temperature 10 ~ 65 ° C.
- Supply voltage in DC: 24 VDC (optional).
- Supply voltage in DC Solar cell: 5 VDC 10 W and 20 W. (optional).

Processor

- 32-bit DUAL CORE XTENSA® LX6.
- Clock speed: Between 160 Mhz and 240 MHz.
- 520 kB SRAM memory.
- 4 MB FLASH memory.

Case

- Dimensions: 148 x 150 x 83 mm
- Certification: NOM
- Material: ABS Polymer
- Protection: IP66
- Storage Temperature: -20 ~ 80 °C
- Operating Humidity: 5 ~ 90% HR

Optional Connectivity

- Model T-MR-WS:
 Sigfox : RCZ2 902 MHz.
 Sigfox : RCZ4 920 MHz.
 Sigfox : RCZ1 868 MHz.
- Model T-MR-WF:
 Wi-fi: 2.4 GHz b/g/n.
- Model T-MR-CN:
 GSM: 3G - 3.5 G (Multicarrier).
- Model T-MR-KN:
 Kinéis: Red satelital.
- Model T-MR-LW:
 LoraWan 868 Mhz.
 LoraWan 915 Mhz.

Output Voltage

- 5 VDC - 500 mA.
- 24 VDC - 80 mA.



Inputs and Protocols

- Modbus RTU Master.
 Data bits 7, 8.
 Stop bits 1, 2.
 Parity none, odd, even, space.
 Baud Rate 50 bps ~ 921.6 kbps.
 Conversion Format Endianness.
 Monitoring of 1 to 6 variables (depends on the 32-bit or 16-bit register format).
 Configuration via wifi interface.
- Screwless Pressure Clamp Connectors (16 ~ 26 AWG).
- 2 gland connectors (M16 IP66).
 1 Gland for voltage supply.
 1 Gland for Signals.
- Straight SMA female connector (antenna).

Indicator LED's

- 1 Power LED (PWR) - Green.
- 1 Operation LED (RUN)- Red.
- 1 Communication LED (COM) - Red.
- 1 WiFi LED (WIFI) - Red.
- 1 Modbus data transmission LED (TX) - Red.
- 1 Modbus data reception LED (RX) - Green.
- 1 Voltage Supply LED (AC) - Red.

TITAN | T-MR-WS with modbus RTU protocol, it is a specialized device for wireless monitoring of variables such as:

- Communication with meters, sensors, transmitters, etc.
- Temperature, flow, level.
- Consumption of Water, Gas, Electricity.
- Compatible with modbus RTU protocol.
- Data exchange and acquisition through modbus RTU.
- Among others.