

RCM-100 Weatherproof Remote Display



Features

- California certified
- Battery can be replaced in the field
- Protection from tampering
- For use with any meter with dry contact pulse output
- Programmable for various pulse counts
- Programmable for various units
- 2-year limited warranty
- Weatherproof (to maintain water protection, seal cable holes after installation)

Specifications

Enclosure Material: Grey Poly-Carbonate

Enclosure: Water-Resistant Wall Mount

Cover Material: Clear Poly-Carbonate

Circuit Board: Conformal Coated

Connection: Spring Terminal Blocks

Display: Custom 8-Digit LCD

Dimensions: 2 1/2" X 4 1/2" X 1 1/2"

Weight: 7.5oz

Description

The RCM-100 is a remote primary display with ability to communicate with all types of pulse equipped water & gas meter registers. The customers and meter readers can access the meter reading without having access to the water and/or gas meter itself. It is available in single and dual register models for water, with color coding for hot (red) or cold (blue) water usage.

The meter reading is displayed on a 8-digit LCD powered by a 3.6 Volt Field Replacable Lithium battery. The heart of the RCM-100 is a micro-processor to interrogate an encoder or store counts from any pulse type-metering device. The LCD display continually indicates the current meter reading.

The RCM-100 has a communication connector that can only be accessed when the unit cover is removed. This connector allows the dedicated programming device to configure and setup the unit. The case offers sealing against

water entry. Cable entry will be by means of a small hole on the base of the case. This must be adequately sealed after installation to maintain the water sealing in installations that require such protection.

Required State Markings

The serial number, make, device identification, manufacturer and model number are contained on a label that is fixed on the inside of the clear cover that cannot be changed or removed once the unit is installed. The PCB is permanently fixed to the inside of the unit under the label and is not removable.

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Tamper Detection

The unit is equipped to indicate any and all unauthorized tampering with the wire, the meter register, and the security sealed cover. In either instance, a tamper indicator is displayed on the LCD display depicted by a "T" at the extreme left of the LCD display. Only the owner or operator can reset and erase the tamper code using the RCM Programmer; as no other device can access the program. With each unit a State Approved Adhesive Security Seal can be used if required for dual tamper protection

Model Code for Ordering

RCM-100-C-R/IP-G

Weatherproof Display —
RCM-100-C = Remote digital display

Pulse Rate of Meter —
R/IP = 1 pulse per unit

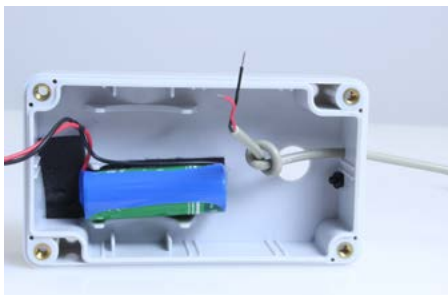
Units of Measure —
G = U.S. Gallons
CF = Cubic Feet
M3 = Cubic Meters

Installation and Wiring Instructions



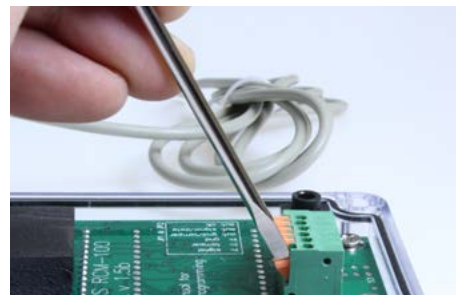
Step 1:

Remove the 4 screws from the corners on the front of the display. Open the display being careful to not pull the battery wires.



Step 2:

Insert wire through hole in back or bottom depending on your installation requirements and tie a knot in it to avoid it being pulled back through.



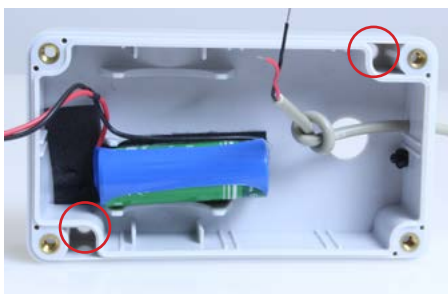
Step 3:

Use a small screwdriver to depress on terminals and insert individual wires. Polarity does not matter. Use terminals 1 and 3.



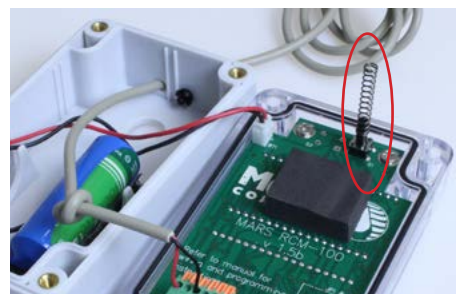
Step 4: (optional for weatherproofing)

Seal all holes including the one that the wire is coming through using silicone sealant or epoxy. Place tape on the exterior of the unused hole and fill from the interior for best results if wall mounting.



Step 5:

If wall mounting, use the two holes in opposite corners to fix the back of the display to the wall. #6 screws no shorter than 3/8" are recommended.



Step 6:

Replace the display making sure that the spring depresses the tamper button (audible click). Once the button is held in place and the face is seated properly, install the face using the four screws removed in step 1.