



## MARS RCM-100 SUBMETERING REMOTE COUNTER MODULES



**NEW!**

**CALIFORNIA  
CERTIFIED FOR  
WATER & GAS!**

### Now California Certified for Water & Gas! New Field Replaceable Battery New Spring Tension Terminal Blocks for Easier Wiring

#### 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. Also, we are pleased to announce our NEW California Certified Natural Gas RCM-100 with green color coding!

The meter reading is displayed on a 8-digit LCD powered by a 3.6 Volt Field Replaceable 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 those installations that require such protection.

#### AMR Connectivity:

The RCM-100 Single and Dual Unit has an output for connecting to an Automatic Meter Reading device such as RF Transmitters for both

#### New Features

- California Certified For Natural Gas!
- Redesigned Modular 3.5mm Interface Jack For High Operational Reliability.
- Field Replaceable Battery To Extend Installed Product Life.
- Tool-Less Wire Termination With Spring Terminal Blocks To Reduce Installation Time.

#### Construction

- **Enclosure Material:** Grey Poly-Carbonate
- **Enclosure:** Water-Resistant Wall Mount
- **Cover Material:** Clear Poly-Carbonate
- **Circuit Board:** Conformal Coated
- **Connection:** Spring Terminal Block(s)
- **Dimensions:** 2 1/2" X 4 1/2" X 1 1/2"
- **Display:** Custom 8-Digit LCD
- **Weight:** 7.5oz





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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 large X 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

### 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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## FREQUENTLY ASKED QUESTIONS

### Are the RCM-100s for water & gas California certified?

Yes! All of our models both water & gas are California state certified.

### Are the RCM-100s AMR compatible?

Yes! Output for AMR devices RF transmitters, both Fixed Network or Drive-By. Either 'Pulse Output" or 'Encoder

### Are the RCM-100s batteries replaceable?

Yes! All RCM-100 models now have field replaceable batteries.

### Does the RCM-100 have tamper detection?

Yes! Tamper detection indicators for any tampering with the wire, register and the security sealed cover.

### How does the programming unit interface with the circuit board?

With our NEW 3.5mm programming jack makes for longer durability and ease of connection simplifying your installation.

### What is the warranty for the RCM-100s?

All RCM-100s come with a 2 year limited warranty.

### Are the RCM-100s water/moisture resistant?

Yes! The case offers sealing against water entry. Cable entry holes must be sealed after installation to maintain

### Are tools needed for cable connections?

No. All connections to the unit are now tool-less with our NEW spring tension terminal blocks.

### What is the recommended wire gauge and maximum wire run for installation?

24 gauge. Due to potential project specific interference, we cannot recommend maximum wire runs.