RMS600

m2m RMS

POWERED BY M2M DATA CORP.

The RMS600 is ideal for monitoring and controlling assets in hazardous locations around the world.

The RMS600 combines a local sensor, actuator and serial interfaces with a cost-effective cellular modem. Software controllable events, RS232 and discrete input/output lines make the RMS600 a highly flexible hardware component of M2M's remote monitoring services

Whether using as a standalone or with other local controllers such as RTUs or PLCs, native Modbus support on the RMS600 provides a direct connection to common industrial automation equipment, for quick and easy installation.

FEATURES & BENEFITS

- Cellular communications: Cost-effective communications, without expensive network build-outs.

- Intelligent hardware: Alarm thresholds are pushed down to the Scout and are easily configurable, giving you all of the information you need and none of the data you don't.

- Local interface: The control panel allows you to view channel status, events, and history and make configuration changes locally at the site.

RMS600 is compatible with the following M2M RMS service products:

SERVICE CODE	DESCRIPTION
S1017	RMS GSM domestic USA service. 20 data points reported hourly plus RBE messages.
S1018	RMS GSM domestic USA service. 40 data points reported hourly plus RBE messages.
S1019	RMS GSM international service. 20 data points reported hourly plus RBE messages.
S1020	RMS GSM international service. 40 data points reported hourly plus RBE messages.

RMS600	PART NO	POWER	RS232	ANALOG INPUTS	DIGITAL INPUTS	MODBUS REGISTERS	COMMS
RMS600-1	771-20451348 A	115 Vac	1	4	8	70	GSM

PHYSICAL CHARACTERISTICS

Enclosure: NEMA 4X hinged: 12"W x 10"H x 6"D, weight 3.8 lbs.

Inputs & outputs:

- 8 digital/pulse inputs, 0-5Hz, dry contact, open-collector or closure to ground.
- 4 analog inputs, 0-20ma or 0-5VDC
- 30 Modbus RTU read coil/input status channels
- 20 Modbus RTU read holding/register channels
- 20 Modbus RTU write coil registers
- Removable terminal blocks, #14-22 AWG

User Interface: 2x20 line LCD backlight display, 20 key keypad

Serial Port (RS232): Modbus RTU Slave/Master or local programming

Cellular: Quad-band GSM. FCC, PTCRB and ATT certified.

Antenna: attached, 2dBi. External OMNI and YAGI available.

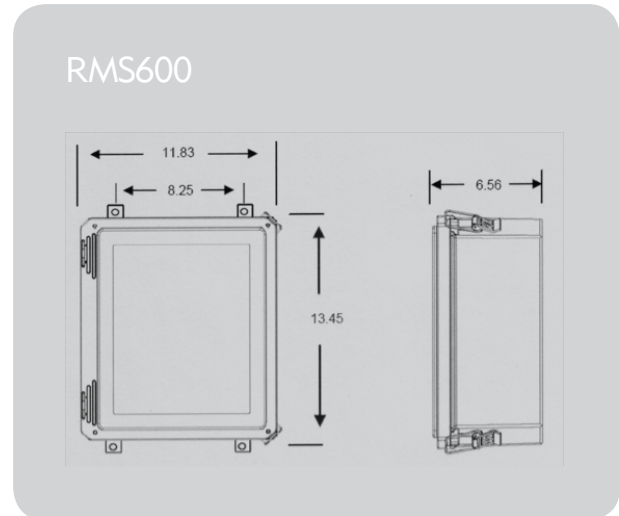Operating temperature: -20 °F to 158 °F (-28 to 70 °C).

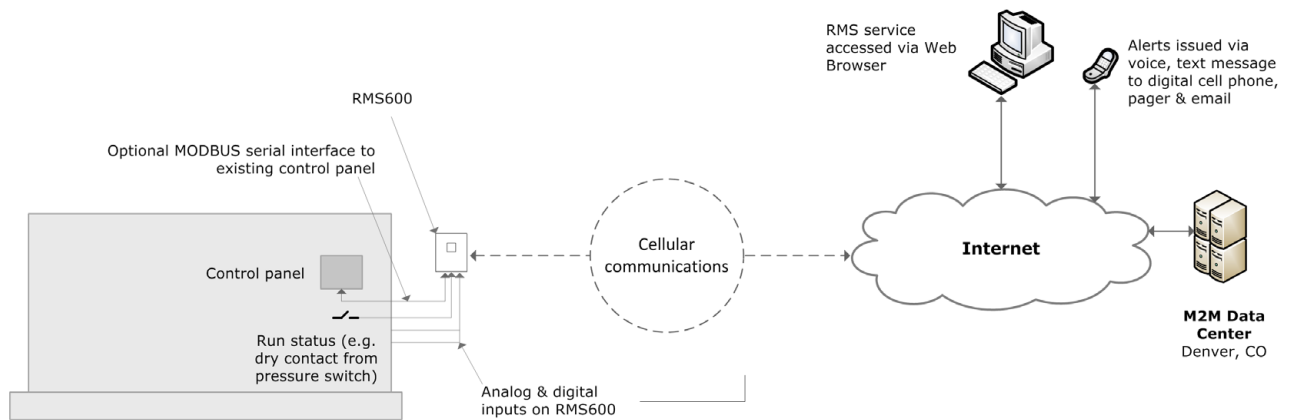Operating humidity: 0% to 90% @ 140 °F.

Power:

- 115 VAC 10%, 60 Hz; 5 watts, UL rated power supply included.

12-hour battery backup, included.

Surge protection on power and inputs

Typical RMS600 System Schematic

Typical Functionality

- RMS600 scans inputs and polls third party devices using Modbus RTU protocol, executes report-by-exception (RBE) logic and pushes exception only to M2M's Data Center.
- RMS600 pushes all data points to M2M's Data Center once per hour.
- RMS600 receives set-point changes and Modbus write commands from M2M's Data Center and writes appropriate commands to third party devices.

Want to learn more? Visit us online at www.m2mrms.com or call us toll free at 1-877-487-9626