



The RM-2000-RTDW motor-monitoring device can be used to monitor and/or control SymCom's Model 777 via an RS-485 Modbus network. Two form C output relays are available for an RTD alarm and a warning alarm. Alarm and trip levels can be set for each RTD to activate the RTD alarm and deactivate the 777 output relay respectively.

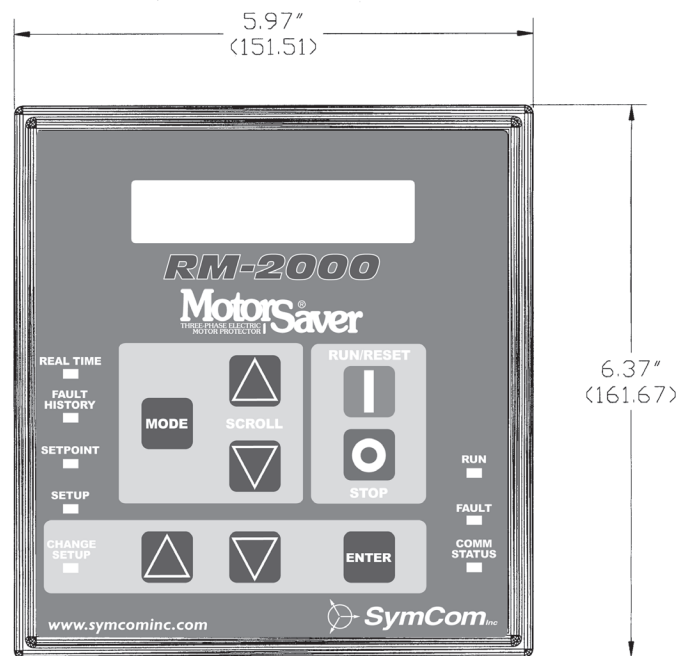
In addition, the RM-2000-RTDW has two inputs: one to connect to a ground-fault module and the other for connection to a remote reset button.

A second communication port allows monitoring and control of up to 99 RM-2000-RTDW devices from a computer with SymCom's Solutions software, or a PLC, DCS, or SCADA system. The RM-2000-RTDW is environmentally protected and can easily be mounted on the front of a panel or MCC.

The RM-2000-RTDW displays the following motor information:

- Real-time line currents, average current and current unbalance
- Current to ground (ground fault current)
- Line-to-line voltages, average voltage and voltage unbalance
- Instantaneous power (Kw)
- Power factor
- Last four faults
- All programmed 777 settings
- Remaining restart delay times
- 8 RTD temperatures*
- Warning settings

* Used with a Benshaw RTD unit.



Specifications

Functional Specifications			
Communication	777	RTD Module	PC, PLC, etc
Baud Rate	9600	300-28800	300-28800
Setup	Even Parity, 1 Stop Bit	None, Odd or Even Parity, 1 or 2 Stop Bits	None, Odd or Even Parity, 1 or 2 Stop Bits
Protocol	Modbus RTU	Modbus RTU	Modbus RTU
Serial Interface	RS485MS-2W	RS485MS-2W	RS485MS-2W
Available Addresses	A01-A99	16-23	A01-A99
Real-Time Clock	10 years @ 25°C without external power		
Battery Back-up Life	Stores up to 4 faults with time and date stamp, includes volt-ages and currents at time of trip		
Last Fault Memory			
Input Characteristics			
Supply Voltage	115VAC		
Frequency	50/60Hz		
Output Characteristics			
Two independent electro-mechanical Form C (SPDT)	Silver/Tin Oxide		
Contact Material	240VA@120VAC		
Pilot Duty Rating	5A@120VAC		
General Purpose Rating			
General Characteristics			
Operating Temperature	-20° to 70° C (-4° to 158° F)		
Ambient	-30° to 70° C (-22° to 158° F)		
Storage	2500V for 10ms		
Transient Protection	3 Watts (max.)		
Power Consumption	3 in.-lbs.		
Terminal (depluggable terminal block) Torque	NEMA 3R		
Class of Protection	Up to 85%, non-condensing		
Relative Humidity	2 rows x 20 characters		
Display (Liquid crystal with extended temperature range)	LED backlight		
Size	50,000 actuations		
Lighting	Polyester		
Keypad (Eight 0.5" stainless steel dome buttons for tactile feedback)	2000 hrs.		
Mechanical Life	6.1" L x 6.5" W x 1.1" D		
Overlay Material	1.2 lbs.		
UV Exposure w/out Degradation	Black polycarbonate		
Enclosure	Panel Mount with four screws provided		
Dimensions			
Weight			
Enclosure Material			
Mounting Methods			

How to order:

Part Number: RM-2000-RTDW



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