Features

Liquid crystal display.

LED's indicate mode of operation, fault status, communication status, and run status.

Easily mounted on the front of a panel and rated for environmental protection.

Can be mounted up to 4000 feet from the motor starter.

Second communication port is standard.



The **RM-2000** is a motor monitoring device to be used in conjunction with SymCom's Model 777. The RM-2000/777 motor management system combines unsurpassed electronic motor protection and critical, user friendly motor monitoring.

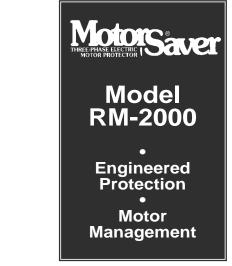
The RM-2000 has membrane keypad controls which allow both monitoring and control of a 777 MotorSaver® through a RS485 network using Modbus RTU protocol. A second communication port is standard and allows monitoring and control of up to 99 RM-2000 devices from a computer with Solutions Software installed, a PLC, DCS, or SCADA system. The RM-2000 is environmentally protected and is easily mounted on the front of a panel or MCC.

A liquid crystal display informs users of the following motor information:

- Average current, individual line currents, and current unbalance
- Current to ground
- Average voltage, line-line voltages, and voltage unbalance
- Instantaneous power
- Power factor
- Last four faults
- All parameters programmed into 777 MotorSaver®
- Remaining restart delay times

The RM-2000 is also equipped with a real-time clock, which allows access to the following motor management information:

- Total motor run-time (re-settable)
- Time and date of last four faults, along with voltage and current at time of trip
- Time and date of last 10 motor starts
- Total number of motor restarts (re-settable)
- Minimum time between any two starts with time and date (re-settable)
- Run-time since last start (re-settable)
- KWH consumed (re-settable)
- KVAR's consumed (re-settable)



The RM-2000 is available with a variety of options including:

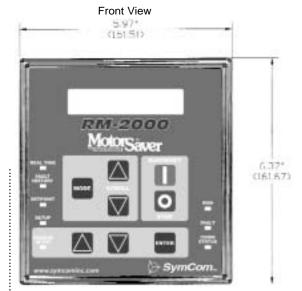
- Two form C (SPDT) auxiliary relays – individually programmable for numerous functions (Option 1)
- Analog output available –
 0-20mA, 4-20mA,
 0-5VDC, or 0-10VDC
 (Option 2)
- Analog/digital input several available configurations, consult factory (Option 3)
- Call the factory for additional options.

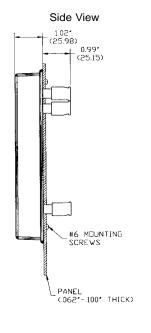


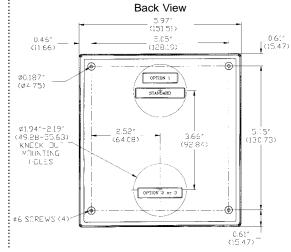
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Model RM-2000 P THREE-PHASE ELECTRIC MOTOR PROTECTOR Specifications

Control Voltage Transient Protection (Internal)	2500 V for 10 ms	
Power Consumption	3 Watts (max.)	_
Communication 1 Port	for MS 777 1 Port for PC, PL0 	C, etc.
Baud Rate	9600300-28800	or F./on
Setup	Even ParityNone, Odd,	OFEVER
Protocol	1 Stop Bit Parity 1 or 2 Modbus RTUModbus RT	z stop bits Ti
Serial Interface	RS485MS-2WRS485MS-2	2W
Available Addresses	01A01-A99	_**
Real-time Clock		
Battery Back-up Life	10 years @ 25°C without external power	er
Last fault memory	Stores up to 4 faults with time and date	stamn
	includes voltages and currents at time Consult Factory for Function of Relays	of trip
Output Relays (Option 1)	Consult Factory for Function of Relays	C (CDDT)
Contact Material	Two Independent Electro-Mechanical F	orm C (SPD1)
Pilot Duty Rating	SIIVEI/TIII OXIGE	
General Purpose Rating	5 A @ 120 VAC	
Analog Output (Option 2)		
Types	0-20 mA, 4-20 mA, 0-5 VDC, 0-10 VDC)
"	(specify with order, for others consult fa KW, PF, Amps, or Volts	actory)
Output Signal	KW, PF, Amps, or Volts	
	(Software Selectable)	
Maximum Load	100 0	
U-20 IIIA		
4-20 mA 0-10 VDC	400 \(\frac{1}{2} \) (11\(\text{II} \) (2\) (2\) (400\) (3\)	
0-5 VDC		
Accuracy	± 3% @ 25°C	
Isolation	1 kVrms	
Analog/Digital Inputs		
_ (Option 3)	Consult Factory	
Environment	NEMA OD	
Class of Protection	NEIVIA 3R	
Ambient Operating Temperature	-20° to 70°C	
Ambient Storage	20 10 10 0	
Temperature	30° to 70°C	
Humidity	Up to 85%, non-condensing	
Enclosure		
Dimensions	6" W x 6 ³ /8" H x 1 ¹ /16" D	
Weight	T.Z IDS. Plack polycorbonata	
Nicolay	Liquid Crystal with extended temp, rand	αa
Size	Black polycarbonate Liquid Crystal with extended temp. rand 2 rows x 20 characters	y c
Lighting	LED Back-Light	
Keynad	Fight 0.5" stainless steel dome buttons	į
	for tactile feedback	
Mechanical Life Overlay Material	50,000 actuations	
Overlay Material	Polyester	
UV Exposure without	2000 hrs	
degradation	2000 IIIS Denluggable terminal block	
Terminal	Dopidygable terrillal block	
SymCom warrants its microcontroller based products against defects in material or workmanship for a period of five (5) years from the date of manufacture. All other products manufactured by SymCom shall be warranted against defects in material and workmanship for a period of two (2) years from the date of manufacture. For complete information on warranty, liability, terms, returns, and cancellations, please refer to the SymCom Terms and Conditions of Sale document.		

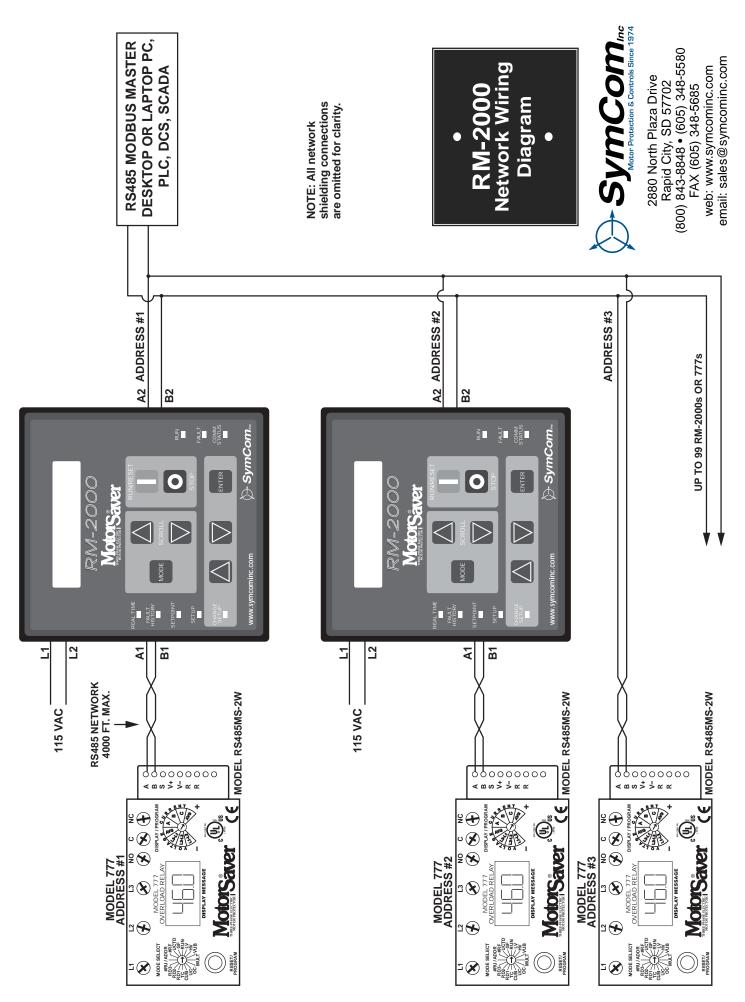








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