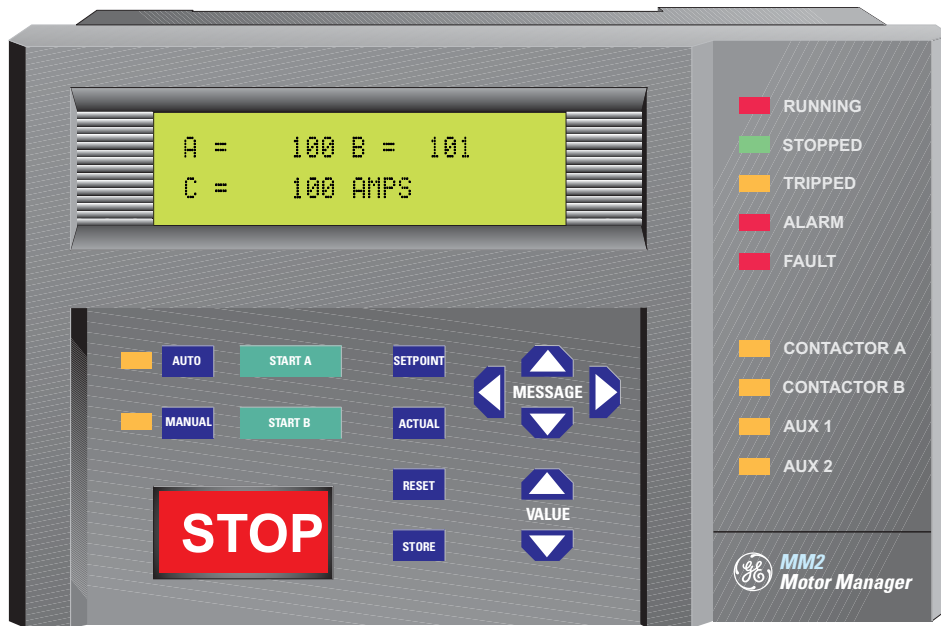




MM2 MOTOR MANAGER 2[®] Instruction Manual

MM2 Firmware Revision: 5.2x
MM2 Software Revision: 5.2x or newer
Manual P/N: 1601-0056-DU (GEK-106294F)
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GE Multilin's Quality Management System is registered to ISO9001:2000
QMI # 005094
UL # A3775





NOTE

This instruction manual describes the features of a MM2 with all options included.

Table 1–1: SELECTION GUIDE

	MM2	*	*	*	*	
Base Unit	MM2					Product Family
Mounting	PD					Panel Mount with display (only available when both options are ordered)
	C					Chassis Mount (Black Box)
Option 1			1			Option 1: Process control, 10 process inputs, undervoltage autorestart, diagnostics
Option 2				2		Option 2: Enhanced protection, power (kW), thermistor, 2nd contactor control, 2 process inputs
Power				120		120 V AC Control Voltage
				240		240 V AC Control Voltage



NOTE

All models contain three phase overload protection (49/51), single phase, 4 control inputs (start, stop, local isolator, contactor A status), plus two programmable inputs and one output relay. The control voltage can be changed in the field.

a) MOUNTING

Chassis Mount: “Black box” version of the MM2 mounted inside the MCC starter.

Panel Mount with Display: Mounted on a panel with a 20 × 2 display, LEDs, and keypad. This feature is only available with both options

b) OPTION 1

Process Control and Process Inputs: Includes 10 programmable switch inputs, 2 extra electromechanical relays (Aux1 and Aux2), and a 4 to 20 mA input.

Undervoltage Auto-Restart: Programmable undervoltage restart following undervoltage condition.

Diagnostics: Alarms, pretrip data, and historical statistics about the motor or drive performance.

c) OPTION 2

2nd Contactor Control: Includes all timers, contactor A and B relays, and 2 programmable switch inputs for two-contactor starter types such as wye/delta, two-speed, and reversing.

Enhanced Protection: Includes ground fault, stalled rotor, and undercurrent protection.

Power (kW): Includes a single VT input allowing for calculation of kW and kWhrs, as well as underpower alarm.

Thermistor: Includes a thermistor input with alarm or trip settings for NTC and PTC type thermistors.

ENVIRONMENT/GENERAL INFORMATION

POLLUTION DEGREE:	2
OVERVOLTAGE CATAGORY:	2
INSULATION VOLTAGE:	300 V
OPERATING TEMPERATURE RANGE:	0°C to 60°C
DUST & MOISTURE RATING:	NEMA Type 12 and 12K
IP CLASS:	IEC 529 - IP53

WEIGHT

MAX WEIGHT:	4 lbs. (1.8 kg)
SHIPPING BOX SIZE:	8.30" (211 mm) × 5.625" (143 mm) × 5.80" (147 mm)

FUSE TYPE/RATING

0.5 A; 250 V Fast Blow, High breaking capacity

INSTALLATION

WARNING:	HAZARD may result if the product is not used for its intended purpose
VENILATION REQUIREMENTS:	None
CLEANING REQUIREMENTS:	None

CERTIFICATION/COMPLIANCE

CE:	IEC 947-1, IEC 1010-1
UL:	E83849 UL listed for the USA and Canada



NOTE

It is recommended that all MM2 relays are powered up at least once per year to avoid deterioration of electrolytic capacitors in the power supply.