Instructions for 3-Pole Modular Overload Relay (MOR) With Auto Reset

I.L. 15021
File 8220

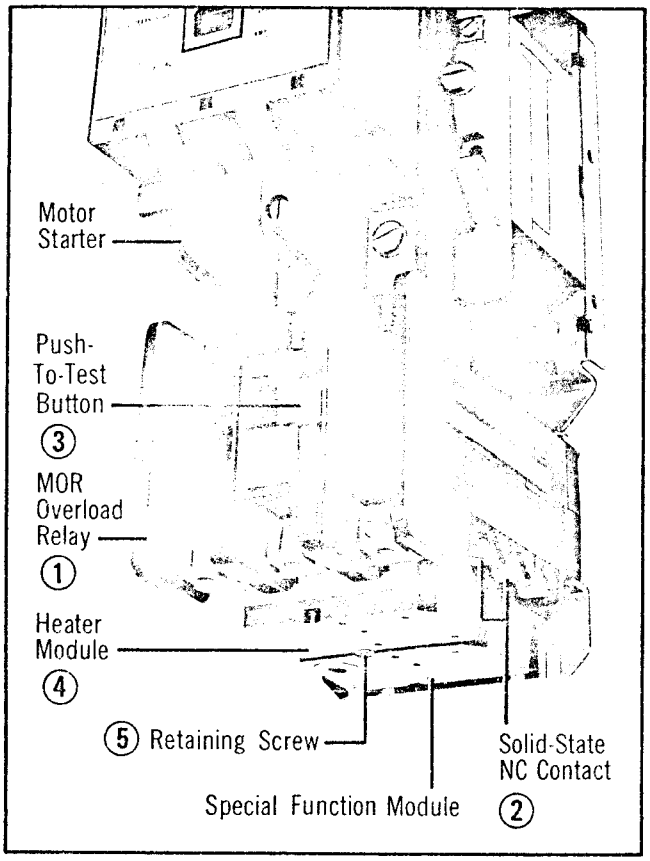

Fig. 1 *Parts Identification*

DESCRIPTION

The Modular Overload Relay (1) is a 3-pole block-type device with an isolated, solid-state NC contact (2). A push-to-test rod (3) is located up front. One plug-in heater module provides protection to all phases. A retaining screw (5) holds the heater module in place.

Selection of heater module is made on basis of full load amperes per heater application table. Trip current is 115% of the minimum Full load Amp heater value, to 105% of the maximum Full load Amp heater value in the table. When other function modules are used with the MOR, the heater module *must be* the *last* module plugged in.

Additional plug-in modules are available for such special functions as Long Acceleration, Underload Protection, JAM function and Phase Unbalance. These modules are described in separate Instruction Leaflets.

The MOR should be wired per diagram in this leaflet. Do not use with two-wire control switch.

OPERATING CHARACTERISTICS

1. N/C control circuit contact at 70°C ambient.

Max. Voltage	Max. Steady Current	Max. Inrush Current
120 Vrms 50/60 Hz	1.5 a	10 a

2. Control Circuit Fuse. A short circuit through the N/C contact will damage the internal circuitry. Use 3 amp. KTK fuse in N/C circuit.

3. Ambient range for MOR -20°C to +70°C.

4. Output contact will be open if test rod is maintained in depressed state.

5. Power terminals suitable for 1000 VAC max., 3 phase only.

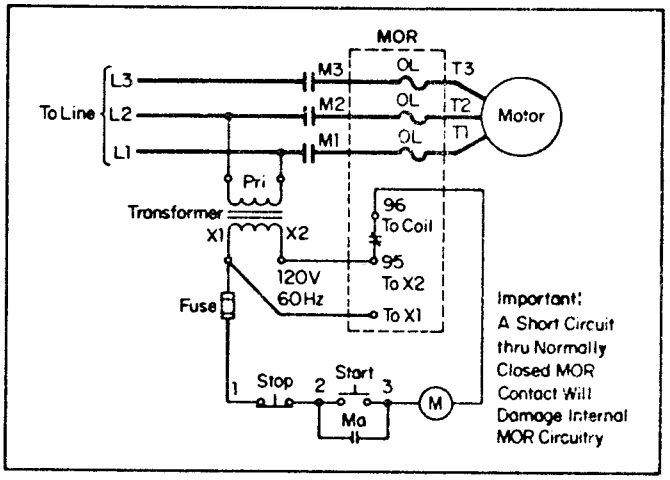

Fig. 2 *Wiring Diagram*

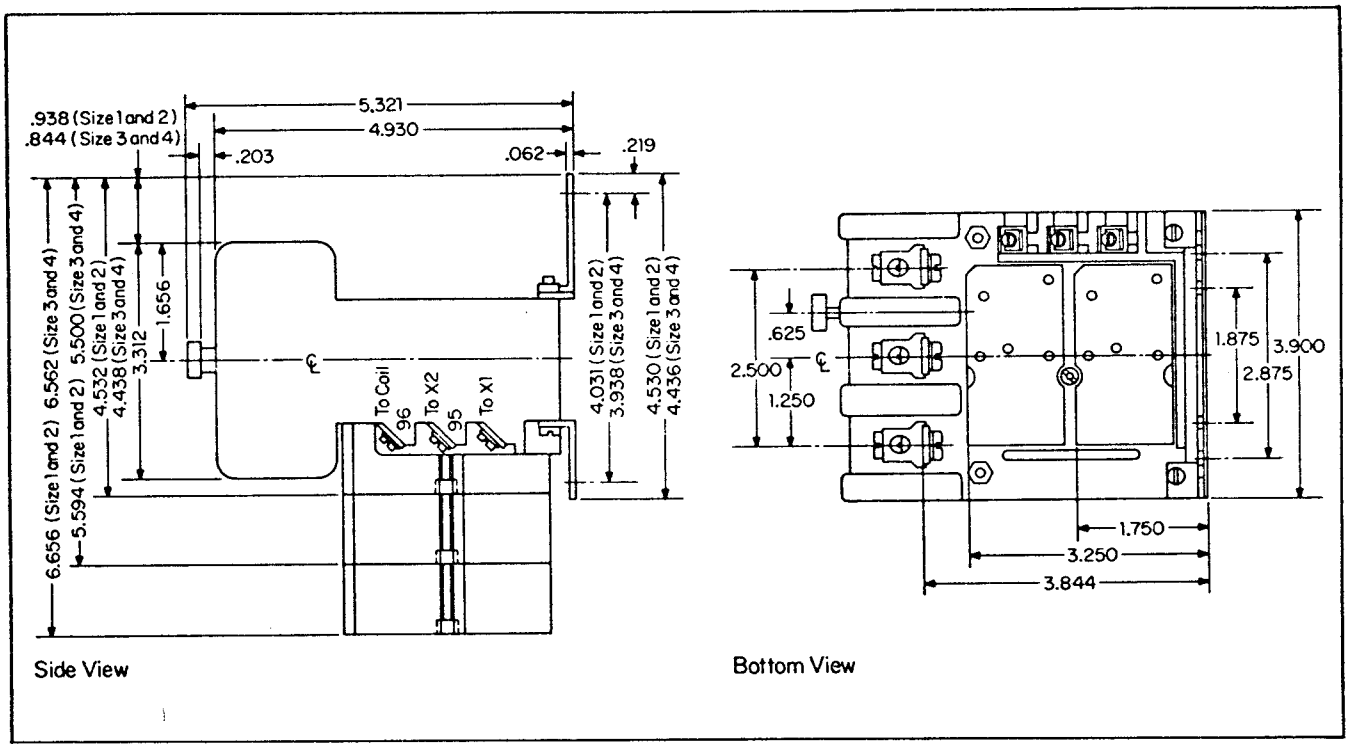

Fig. 3 *Dimensions*

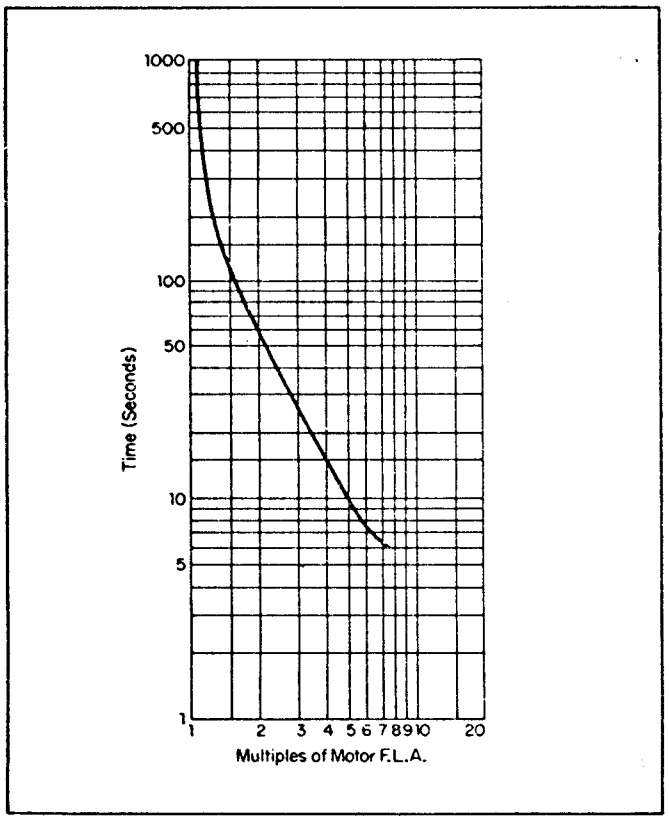

Fig. 4 *Heater Trip Curve*

6. The starter should be protected against short circuits by providing branch circuit protection per N.E. code. In no case should the fuse rating exceed 4 times the motor FLA.

7. Reset time approximately 2 minutes.

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