

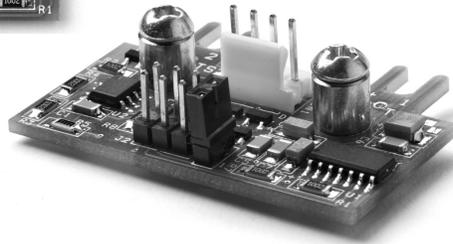
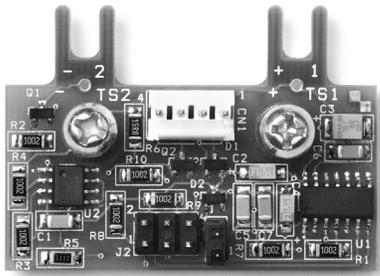
Chromalox®

Installation Instructions

SERVICE REFERENCE

DIVISION 4	SECTION
SALES REFERENCE	PK496
	0037-75448
DATE	AUGUST, 2008

LM-2 Solid State Relay Driver



Model	PCN
0135-28144	341260

GENERAL

The LM-2 (0135-28144) module accepts a 4-20 mA control signal and converts it to a 4.5-32 Vdc proportional control signal. A power supply is not required. The LM-2 is powered by the 4-20 mA loop. The LM-2 Module supports single and three-phase 2-leg power control configurations.

The LM-2 module mounts directly to the input terminals labeled A2(-) and A1(+) of the solid state relay. Screw terminals are provided on the LM-2 module for the 4-20 mA control signal. The solid state relay's load is connected to terminals L1 and T1.

Once the connections are made, the LM-2 module and solid state relay(s) provide proportional zero-fired power control to the load.

WARNING

ELECTRIC SHOCK HAZARD. Disconnect all power before installing the Solid State Relay Driver. Failure to do so could result in personal injury or equipment damage.

SPECIFICATIONS

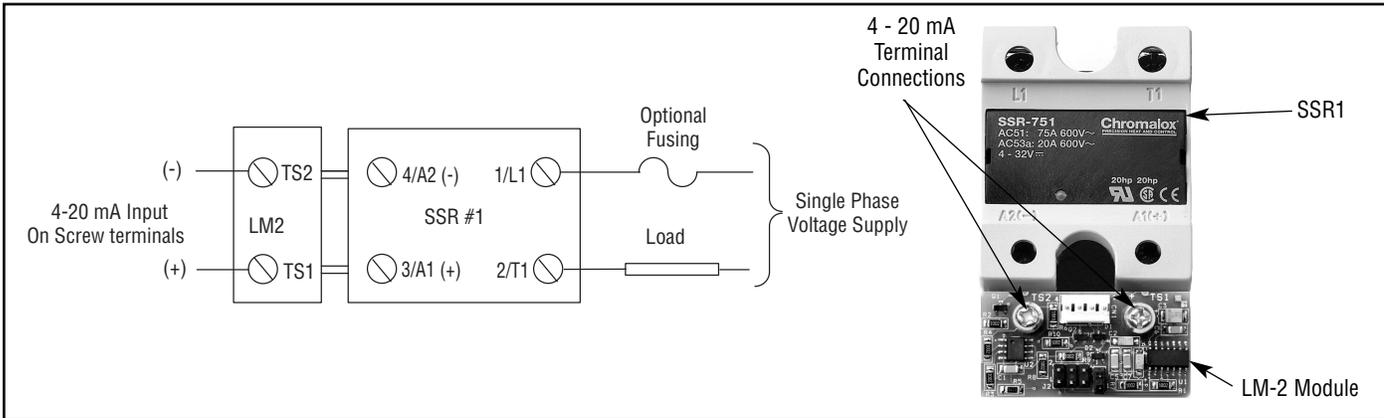
Input 4 - 20 mA
 Time Base 3 Cycle Resolution
 Line Frequency 50/60 Hz Selectable
 Compliance Voltage Requirement.... 6.4 Vdc (320 ohms @ 20 mA)

Span & Linearity..... < 2%
 Ambient Temperature 32 - 104°F
 Dimensions 1.25"W x 1.75"L x .75"D

WIRING

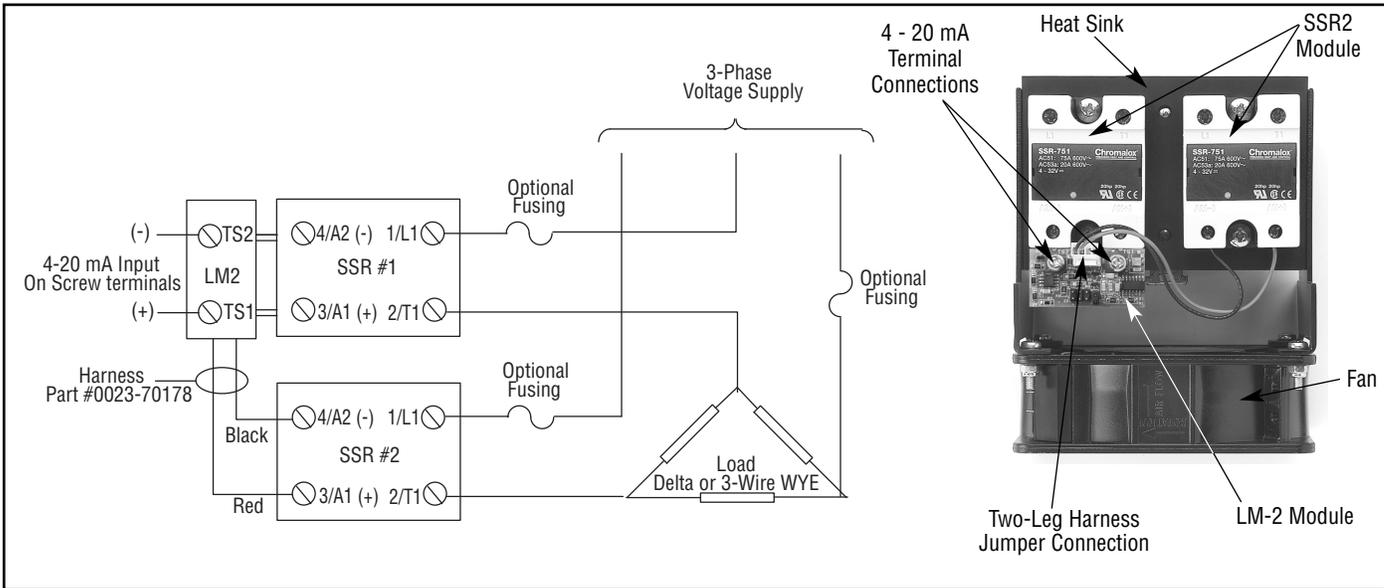
Single Phase Power Control Wiring

1. Mount LM-2 Module as shown by loosening A1 and A2 connection screws on SSR. Insert LM-2 "fingers" under connection screws. Tighten screws.
2. Connect 4-20 mA control signal input wiring to terminal connections on LM-2 module.
3. Connect load wiring to L1 and T1 screw terminals.
4. If operating on 50 Hz line power, remove J1 and discard.



Three Phase 3-Wire 2-Leg Switching Power Control Wiring

1. Mount LM-2 Module as shown by loosening A1 and A2 connection screws on SSR. Insert LM-2 "fingers" under connection screws. Tighten screws.
2. Install 2-Leg harness (P/N 0023-70178) as Shown.
3. Connect 4 - 20 mA control signal input wiring to terminal connections on LM-2 module.
4. Connect load wiring to L1 and T1 screw terminals.
5. If operating on 50 HZ line power, remove J1 and discard.



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