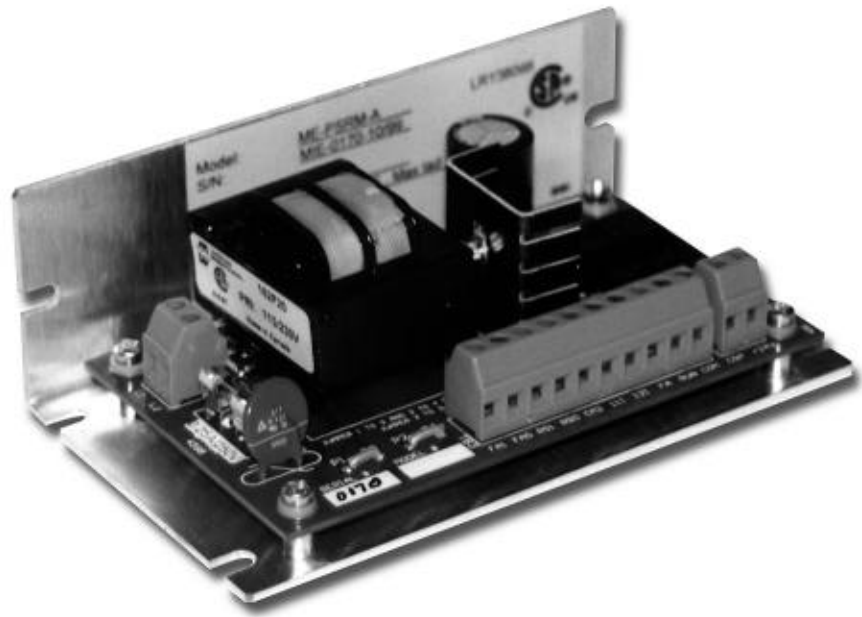


POWER / RELAY

Instruction Manual and Operation Guide



www.mgitech.com

MGI Technologies Inc. 275 West 4th Ave, Vancouver, B.C.

Power Supply Relay Module: MG-PSRM-A

INTRODUCTION

This module is designed to provide a 200 mA 24 volt power supply and two normally open dry contacts.

The 24VDC power (up to 200mA) is available to power the Bypass Module, SC-OPE unit, HOA Module, additional relays, pilot lights or transducers as required.

The relays are designed to work in conjunction with the L100, SJ100, J100 & J300 programmable open collector outputs, offering two hard contact outputs for Run, Frequency Arrival or Over Torque.

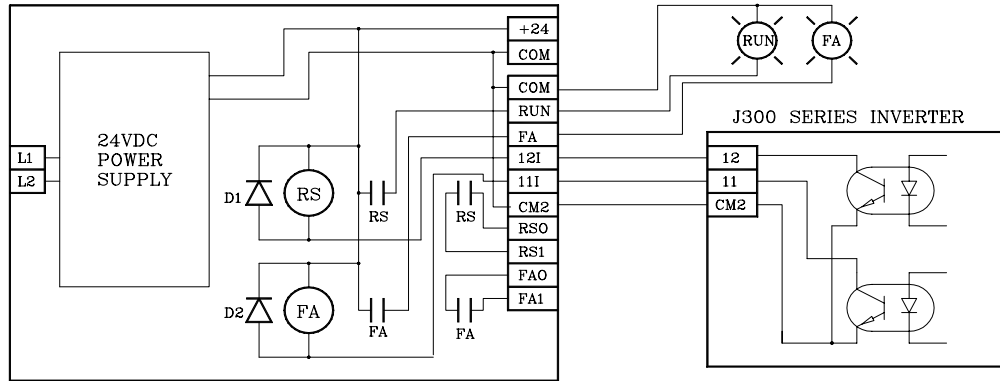


Figure 1. Typical interconnection of the Power Supply Relay Module with Hitachi J300 series inverter.

I/O TERMINALS DESCRIPTION

L1 & L2	120VAC power input.
+24 & COM	24VDC output.
RUN, FA, & COM	24VDC outputs for "RUN" and "FA" (Frequency Arrival) pilot lights. * Power to the "RUN" is available when VFD is operating the motor.* * Power to the "FA" (Frequency Arrival) is available when VFD is operating at the set speed.*
11I, 12I, & CM2	Inputs, "11", "12", and "CM2", from the inverter.
RS0, RS1	"RUN" status dry contact output. Closes when the VFD is outputting a frequency.
FA0, FA1	"FA" (Frequency Arrival) status dry contact output. Closes when the VFD output frequency equals the set frequency.

SPECIFICATIONS:

Input voltage:	120VAC (also available with 240VAC)
Relay contact ratings:	2A at 30VDC Minimum load 10uA, 10mVDC
DC Power Supply:	24VDC, maximum load 200mA including indicator LED "RUN" and "FA" (10 mA per LED).

NOTE LED type indicator lamp is recommended to minimize the load on the power supply. Replacement fuse-125mA/250V, 2AG type, "Littelfuse" P/N 225.125 or equivalent.

CAUTION Dry contact outputs are design for low voltage circuits only.
Do not use dry contact outputs for voltages higher than 30VDC