

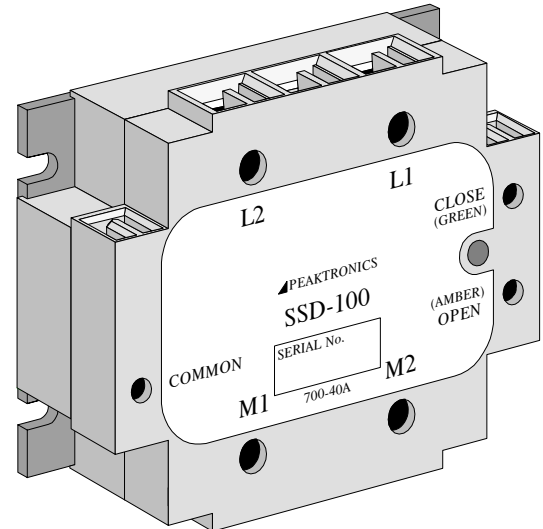
▲ PEAKTRONICS

SSD-100

3-Phase Solid State Driver

The Peaktronics SSD-100 3-Phase Solid State Driver is specifically designed for use with a Peaktronics AMI-104 (on/off applications) or DHC-300/301 Series (high resolution positioner) controller. The SSD-100 replaces bulky and noisy electrical contacts commonly used to control 3-phase actuator motors. At the same time, the unit simplifies wiring, provides precision control, and increases long term reliability.

The unit can be used with 3-phase motors rated up to 500VAC and 5A. The low voltage 3 wire control signal inputs wire directly to an AMI-104 or DHC-300/301 controller and are optically isolated from the 3-phase lines. The unit is easily mounted with four screws to an appropriate actuator housing or bracket - mounting kits for various actuators are available from Peaktronics. The SSD-100 fits in the same space as two contactors typically used with actuators.



SSD-100

SPECIFICATIONS

AC MOTOR OUTPUTS

Voltage Range: 48 to 500 VAC
Maximum Output Current: 5A (without heatsinking)
Minimum Output Current: 100mA
Maximum Off State Leakage: 17mA
Operating Frequency: 47 to 63 Hz

DC CONTROL SIGNAL INPUTS

Input Voltage: 4 to 32 VDC
Minimum Input Current (On State): 17mA
Maximum Input Current (current regulated): 25mA
Turn On Delay: 4msec
Turn Off Delay: next zero crossing

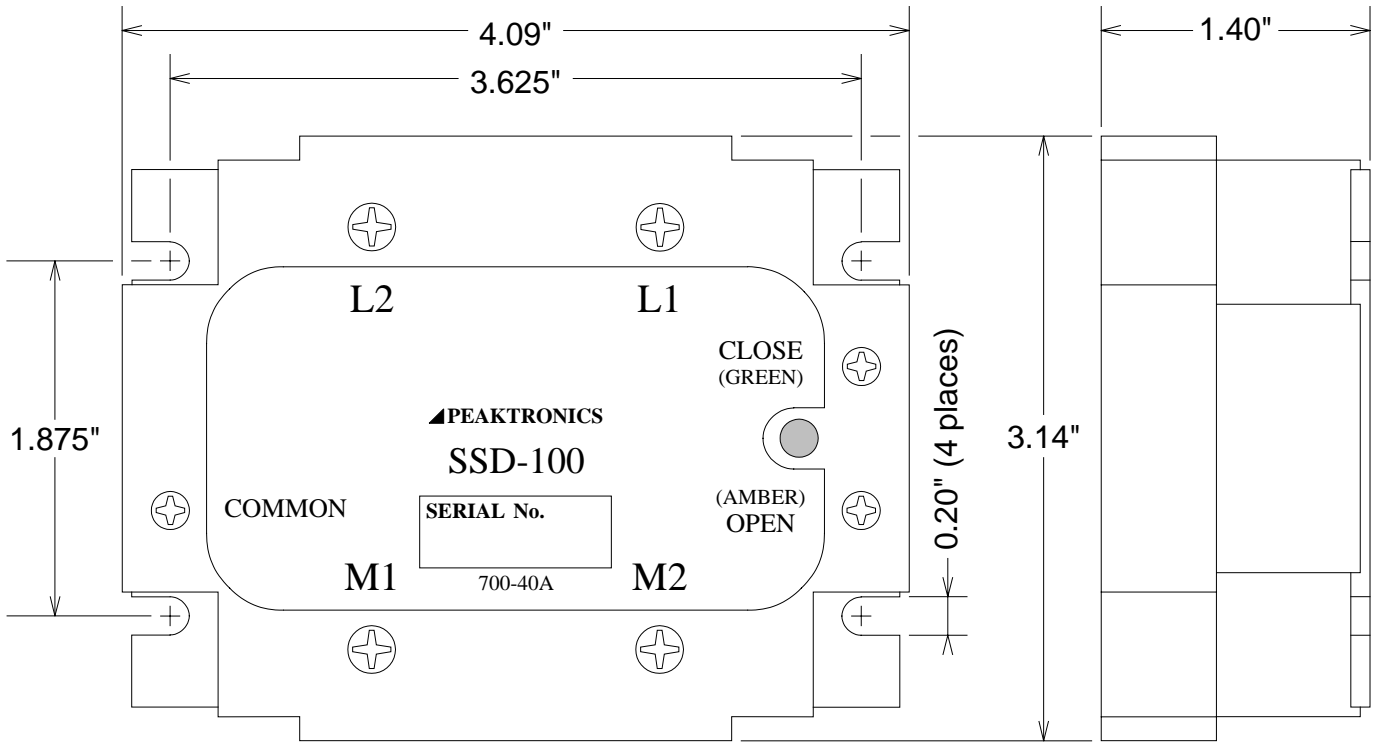
ELECTRICAL ISOLATION

Input to Output Isolation: 4000V RMS
Input/Output to Ground Isolation: 2500V RMS

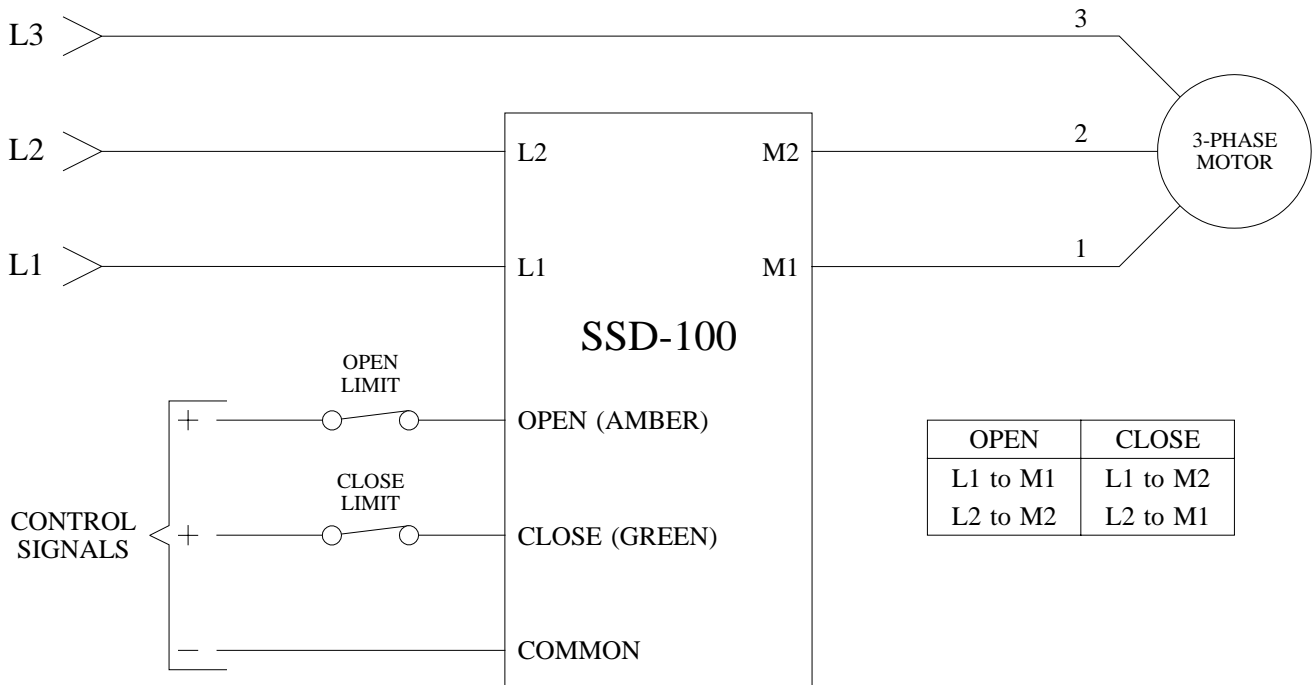
ENVIRONMENTAL

Operating Temperature 0 to 60 °C
Storage Temperature -40 to 85 °C
Relative Humidity 0 to 90 % (non-condensing)

OUTLINE



BLOCK DIAGRAM



WIRING DIAGRAM

3-Phase Digital High Resolution Positioner

