

▲ PEAKTRONICS

ADM-100

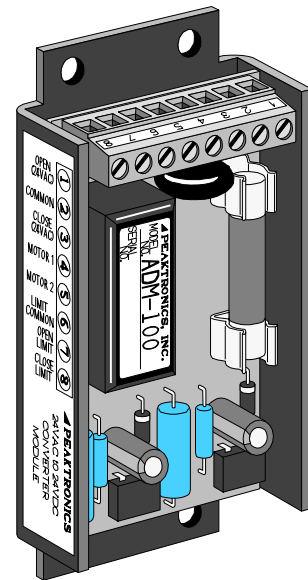
AC to DC Motor Converter Module

The Peaktronics ADM-100 AC to DC Motor Converter Module is an electronic interface unit that allows a 24VDC motor to be powered and controlled in the same manner as a 24VAC split phase motor. Its compact size allows it to be mounted inside most DC actuators. The unit has an 8 pin screw terminal strip that provides easy wiring to the DC motor, limit switches, and torque switches. Three of the terminals provide the usual split phase motor connections: *open*, *close*, and *motor neutral*.

The unit allows a 24VDC actuator to directly replace a 24VAC actuator. The unit also features dynamic braking which provides better resolution and control while eliminating the need for mechanical brakes commonly used in 24VAC actuators.

The wrap around bracket makes the unit rugged and easy to mount. The bracket features two mounting flanges with provisions for screw mounting. The unit also comes with two high temperature high strength tie wraps allowing the unit to be strapped to the side of the motor which reserves space in the actuator for other controls.

The ADM-100 can be used in conjunction with any Peaktronics 24VAC control product and mounting kit. This combination allows a complete line of 24VAC actuators to be created from a 24VDC actuator line.



SPECIFICATIONS

OPERATING VOLTAGE

20 to 30 VAC

OPERATING CURRENT

Limit Switch Current and Operating Current: 136mA typical @ 24VAC

Fuse Type: 8A, Bussman ABC-8

DC MOTOR OUTPUTS

Maximum Load Current: 15A locked rotor for 20 seconds typical

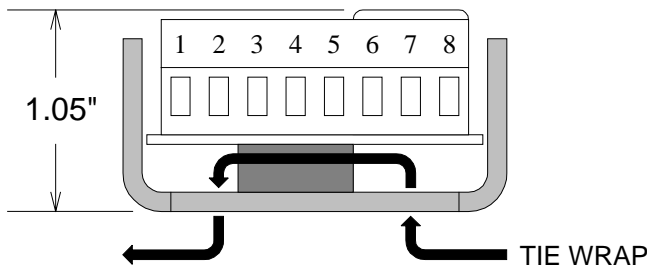
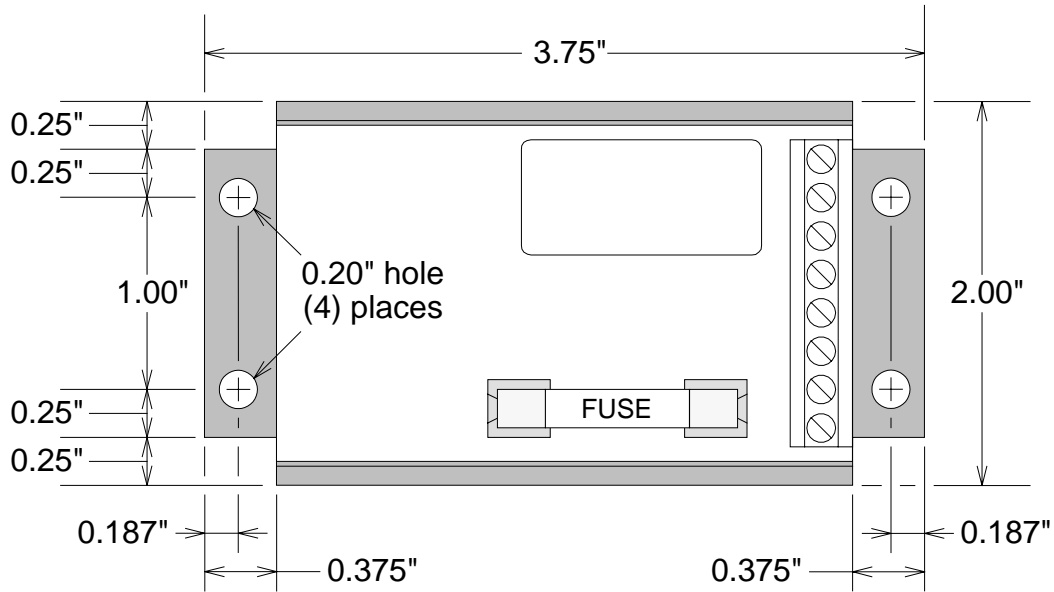
ENVIRONMENTAL

Operating Temperature 0 to 60 °C

Storage Temperature -40 to 85 °C

Relative Humidity 0 to 90 % (non-condensing)

OUTLINE



ELECTRICAL CONNECTIONS

- 1 OPEN (24VAC)
- 2 COMMON
- 3 CLOSE (24VAC)
- 4 MOTOR 1
- 5 MOTOR 2
- 6 LIMIT COMMON
- 7 OPEN LIMIT
- 8 CLOSE LIMIT

BLOCK DIAGRAM

