



# Pulse Control Module

## Converts 4 to 20 mA to Proportional Power Control

PCM3  
\$110



- ✓ Converts 4 to 20 mA Input from Temperature Controller or Computer to Time Proportional Output
- ✓ Mounts Directly on an OMEGA 3 to 32 Vdc Input SSR
- ✓ Supports Single or 3-Phase Operation

The OMEGA® PCM series converter modules facilitate conversion of a 4 to 20 mA output to an on/off time proportioning output. The modules mount directly to the input terminals of an SSR. A jumper is provided to drive a second SSR in a 3-phase application. Screw terminals are provided on the converter of the 4 to 20 mA control signal. The SSR's power section connects in standard fashion to the line and load.

The PCM module with a solid state relay provides a rectangular shape, time proportional (zero-fired) control signal to the load. Thus, the average power to the load is proportional to the 4 to 20 mA input signal.

### Specifications

**Analog Input Signal:** 4 to 20 mAdc

**Note:** Control signal cannot drop below 4 mAdc or improper operation may occur.

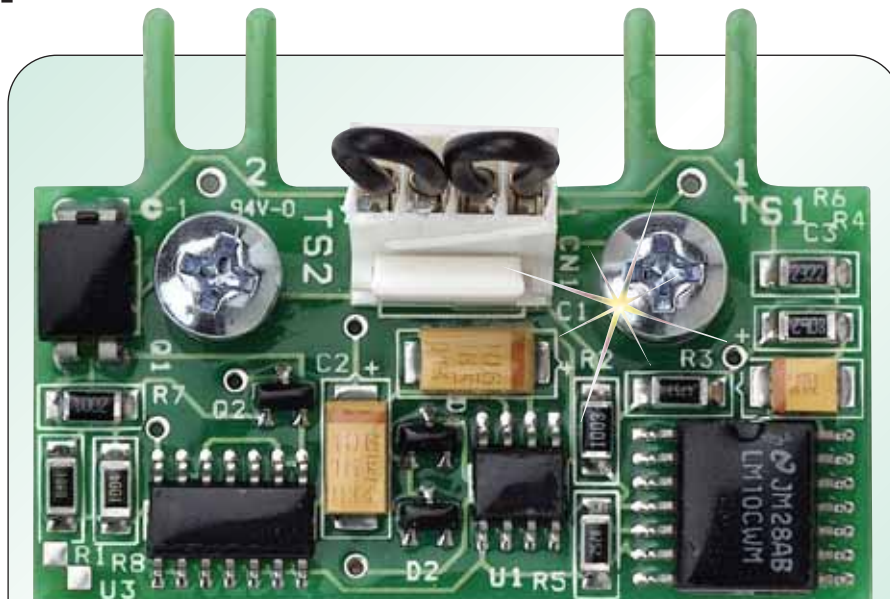
**Compliance Voltage Requirement:**

1-Leg: 8 Vdc (400  $\Omega$  @ 20mA)

2-Leg: 16 Vdc (800  $\Omega$  @ 20 mA)

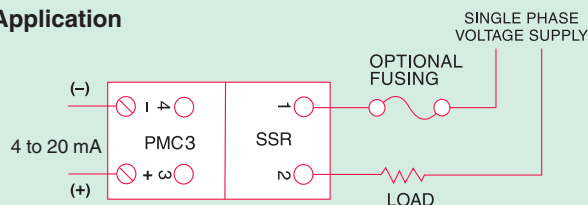
**Ambient Temperature:** 0 to 40°C (32 to 104°F)

**Dimensions:** 32 W x 45 L x 20 mmD (1.25 x 1.75 x 0.75")

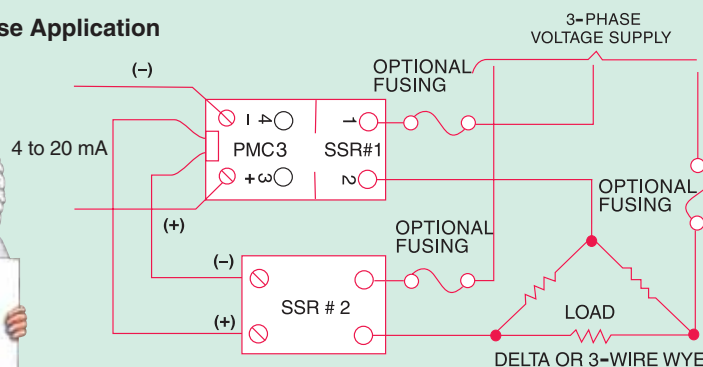


PCM3, \$110, shown larger than actual size.

### Single-Phase Application



### 3-Phase Application



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### To Order (Specify Model No.)

Model No.	Price	Description
PCM3	\$110	Pulse control module
MS-1784	49	Reference Book: Good Tuning: A Pocket Guide

Comes with operator's manual.

**Ordering Example:** PCM3, pulse control module that supports 1 or 2 SSR's, \$110

Input Current	Output Level*	Cycle Time
4.0 mA	0%	
7.2 mA	20%	0.8 s
12.0 mA	50%	0.4 s
16.8 mA	80%	0.8 s
20.0 mA	100%	



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