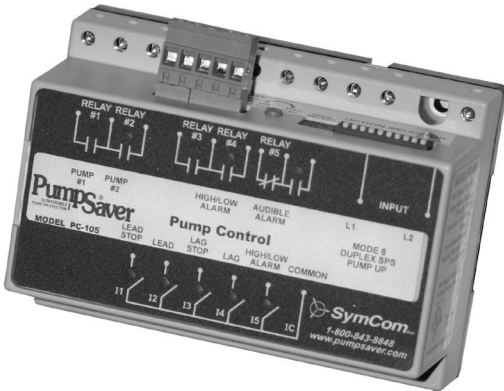
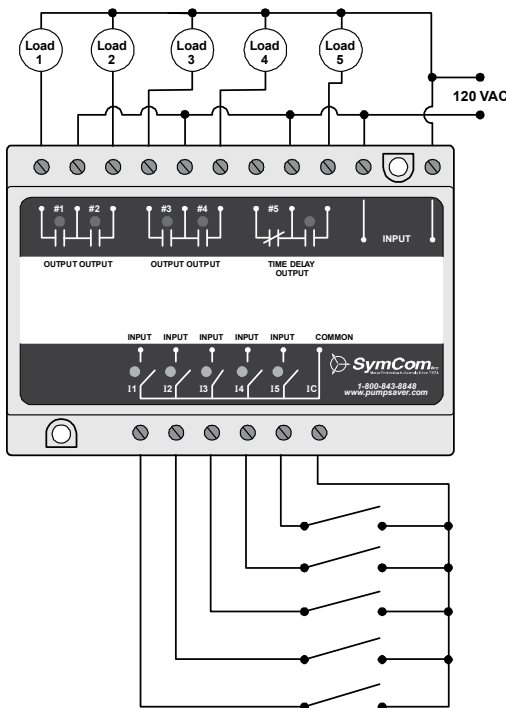


# PC-105

Pump controller with duplex, triplex or quadplex functionality or 5-channel relay



## Wiring Diagram



## Description

The PC-105 is a 5-channel pump controller designed to handle multiple pump applications. Alternatively, it can operate as a 5-channel switch.

The PC-105's control functions support all of the popular industry-standard multi-pump, pump-up and pump-down configurations.

It can indicate low, high and out-of-sequence alarms and use alternating and non-alternating pump control. The non-alternating pump can be used as a jockey pump or emergency pump.

Using the built-in DIP switches, individual pumps can be disabled when taken out of service for repair or maintenance.

## Features

- Compact design
- Low, high and out-of-sequence alarms
- Variable time delay/lag pump delay from 2-255 seconds
- Duplex SPS (separate pump stop) pump control
- Duplex, triplex or quadplex pump control
- Pump-up or pump-down functions
- External silence, reset and alternation configuration
- Five-channel relay configuration
- DIN rail or surface mountable

## Specifications

### Input Characteristics

**Supply Voltage** 120VAC  
**Frequency** 50\*/60Hz

### Functional Characteristics

**Probe Sense Voltage** 5vdc continuous

### Output Characteristics

**Relay Output Rating:** 480VA @ 240VAC, B300  
**Pilot Duty** 7A @ 240VAC

### General Characteristics

**Temperature Range** -20° to 55°C (-4° to 131°F)  
**Maximum Input Power** 4 W  
**Wire range** 12 to 20 AWG  
**Terminal Torque** 4.5 in.-lbs. (max.)  
**Pump In-rush delay** 2 seconds

### Standards Passed

**Electrostatic Discharge (ESD)** IEC 61000-4-2, Level 3, 6kV contact, 8kV air.

### Radio Frequency

**Immunity (RFI)** IEC 61000-4-3, Level 3, 10V/m  
**Fast Transients** IEC 61000-4-4, Level 3, 4kV input power  
2kV inputs/outputs

### Safety Marks

**UL** UL508 (File #E68520)

### Dimensions

**H** 94.06 mm (3.703"); **W** 127.64 mm (5.025");  
**D** 59.69 mm (2.35")

### Weight

1.2 lbs. (19.2 oz., 544.31 g)

### Mounting Method

35 mm DIN rail or Surface Mount  
(#6 or #8 screws)

\*Note: 50Hz will increase all delay timers by 20%.