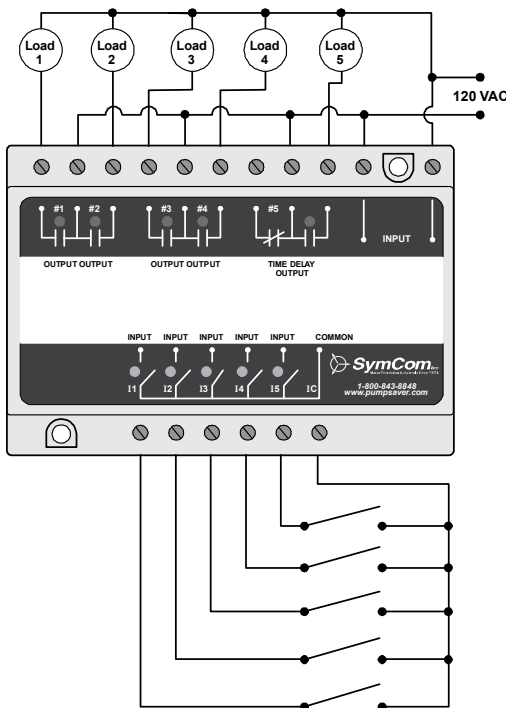


## PC-105

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

<b>Supply Voltage</b>	120VAC
<b>Frequency</b>	50*/60Hz

#### Functional Characteristics

<b>Probe Sense Voltage</b>	5vdc continuous
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#### Output Characteristics

<b>Relay Output Rating:</b>	480VA @ 240VAC, B300
<b>Pilot Duty</b>	7A @ 240VAC

#### General Purpose

#### General Characteristics

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