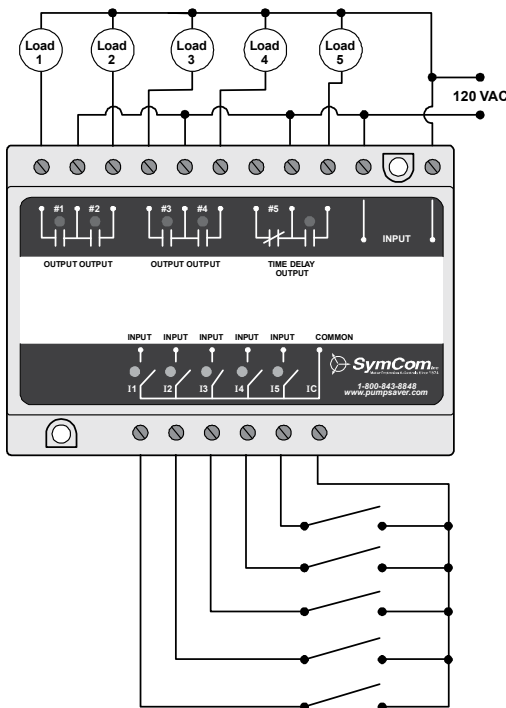


PC-105

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%.