PC-105

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

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.

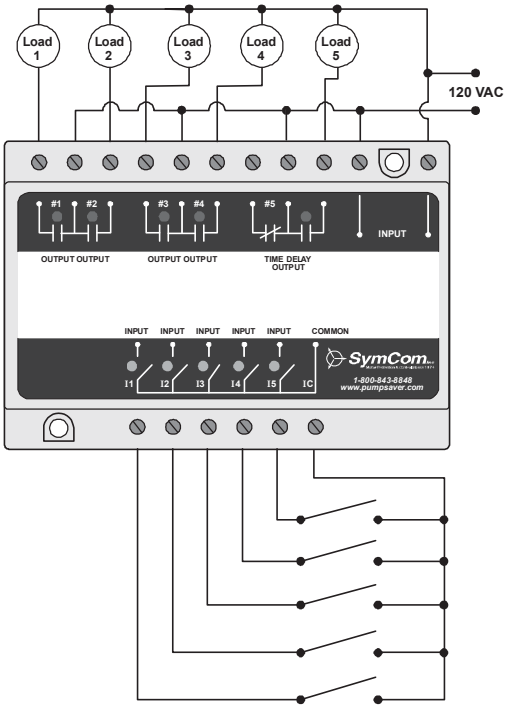
It can indicate low, high and out-of-sequence alarms and use alternating and non-alternating pump control. The non-alternating pump can be used as a jockey pump or emergency pump.

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

Wiring Diagram



For dimensional drawing see: Appendix, page 511, Figure 12.

Specifications

Input Characteristics	
Supply Voltage	120VAC
Frequency	50*/60Hz
Functional Characteristics	
Probe Sense Voltage	5vdc continuous
Output Characteristics	
Relay Output Rating:	
Pilot Duty	480VA @ 240VAC, B300
General Purpose	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%.