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

**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%.