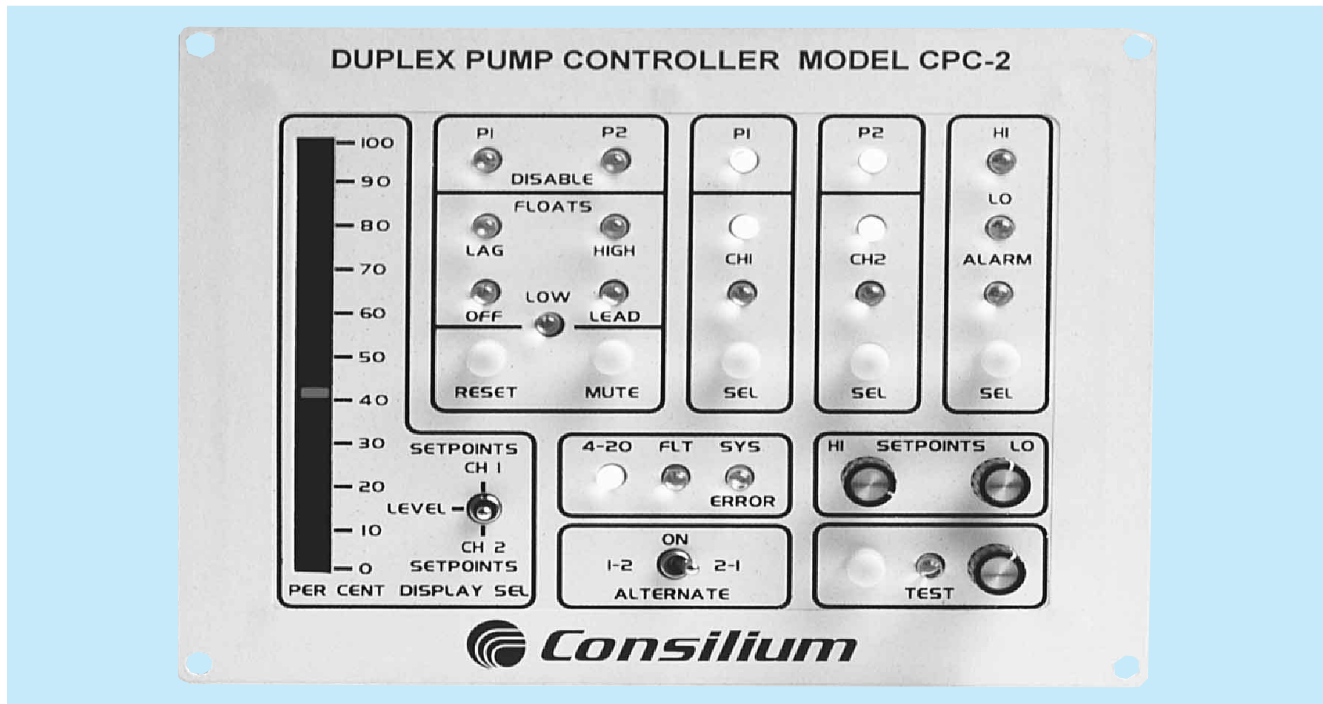


CPC-2 Duplex Pump Controller



Applications:

- Ideal for wastewater collection systems to control pumps in a lift station or in a water tank application
- Many other "pump down" applications
- Triplex version and quad version with variable speed available

Description:

The CPC-2 automatically controls one or two pumps in a "pump down" application acting as the heart of a duplex pump control system for lift stations, water tanks, and other fluid pumping applications. The CPC-2 provides built-in alternation, pump start time delay, and high & low alarms. It is designed to work with resistance-tape level sensors which generates variable resistance output proportional to level. The CPC-2 features an RS-232 port to support SCADA and a 4-20mA output proportional to level.

Features:

- Controls up to 2 pumps with built-in alternation and time delay between pump starts
- Accepts 2 types of sensors; resistance-tape and floats (floats are backup only)
- Lead & lag set points settable from front panel
- Sensor status lamps for primary and backup sensors
- System error lamp indicating total sensor failure
- 40 segment LED bargraph displays level, channel one or channel two setpoints
- 4-20mA output proportional to level
- RS 232 serial port for SCADA support
- Built in High / Low alarms settable from panel
- Front panel test knob for level input testing

CPC-2 Duplex Pump Controller

Features *continued*:

- 15 amp relays to enable motor starters
- Pump disable inputs for leak seal failure and over temperature sensors
- Mute button to open alarm relays to turn off horn
- Float switch active lamps on front panel
- Built-in, field proven, software included. No end user programming required

Specifications:

Input Power: 12 VAC/DC + 5 - 10%, 2 amp max.

External Dimensions: 6.10" X 7.70" X 3.70".

Transient Protection: Metal Oxide Varistor.

Interconnect:

- Phoenix terminal blocks.
- Push on terminals for control and alarm relays.
- DE-9 connector for RS-232 bus.

Operating Temperature: -30° to 55° C.

Level Range: Limited to resistance-tape sensor length.

Display Resolution: 2.5%.

Accuracy: + 1% of full scale.

RS-232 Serial Port: 1 for SCADA support (Non-isolated).

Inputs:

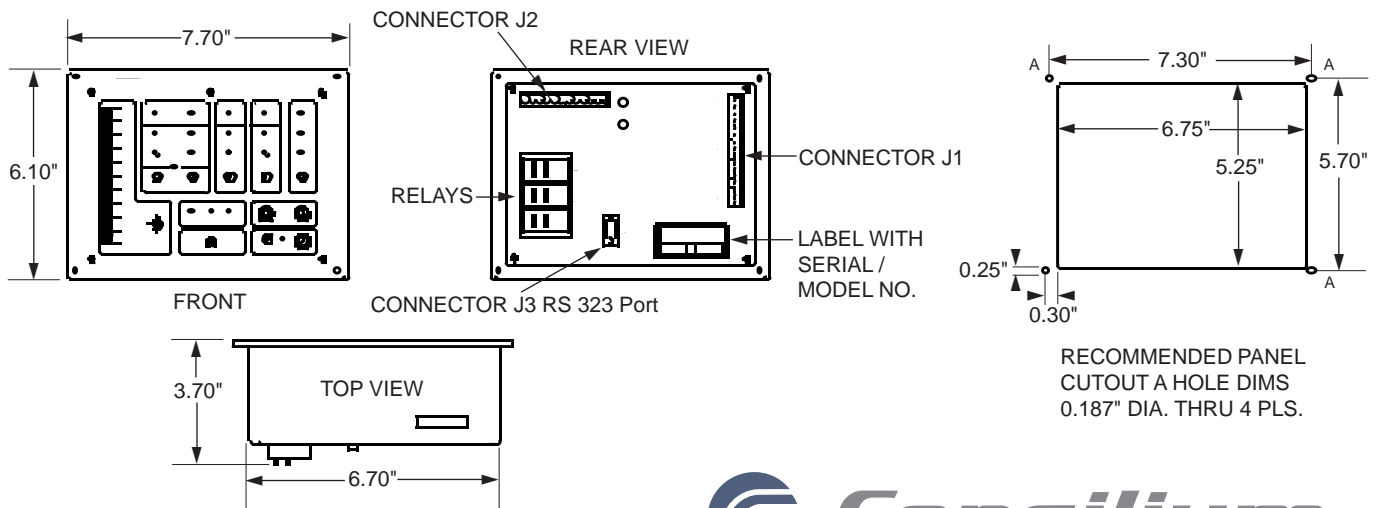
- 2-pump disable inputs (Leak seal failure and over temp).
- 1-disable floats input (disable backup float routine).
- 5-float switch inputs (enable float backup routine).
- 1-Resistance-tape or optional 4-20mA input (Non-isolated).

Outputs:

- 1 - 4-20mA (Proportional to level/Non-isolated).
- 3 - SPST (Form A) 15 amp relays (Pump 1 and 2 control and High alarm) (15 amps @ 125 VAC).
- 1 - SPDT (Form C) 10 amp relay (Low alarm) (10 amps @ 125 VAC).

Option: Float sensors for backup use.

Dimensions:



Disclaimer:

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