

FEATURES:

- * Provides fully redundant backup control system to protect against primary control or sensor failure.
- * Will operate up to 3 pumps with built-in alternation.
- * Built-in 8 second time delay between pump starts.
- * Can operate from single float switch. Placing float at a high level above normal with the float closing will cause timed pump down. (Up to 4.25 min.)
- * Can operate with two floats. High level above normal will close high float and cause pump down to off float.
- * Can operate as a primary 5 float switch controller with built-in 8 second time delay and alternation. (Off, Lead, Lag1, Lag2, and High Float Switches)
- * Front panel flashing green LED for system normal.
- * Front panel red LED on when system is called on.
- * Front panel yellow LEDs for pump on indication.
- * Front panel button for system reset & alarm clear.

DESCRIPTION:

The BPC-3 is a backup system, which automatically controls up to three water pumps in the event of a primary control failure. It has 3 modes of operation, 2 backup and 1 as a primary a float switch controller. When operating as a backup controller it would only call for a pump if the primary controller failed to maintain the wet well level within normal operating limits. If the BPC-3 senses that the level has exceeded the primary control upper limit, it will then take over and operate the pumps. It also will set an alarm relay and lamp, which will not clear until the BPC-3 is manually reset. It can use 1 or 2 float switches in the backup mode and can operate with up to 5 float switches as a primary controller.

APPLICATIONS:

Wastewater collection systems to backup primary controllers for pump down applications and any other primary control backup for pump down applications.

TECHNICAL DATA

INPUT POWER:

- * 115VAC +/- 15%, 5 amps max.

EXTERNAL DIMENSIONS:

- * 7.7" x 2.4" x 5.4"

TRANSIENT PROTECTION:

- * Metal Oxide Varistor

INTERCONNECT:

- * 24 pin "Phoenix" terminal block

OPERATING TEMPERATURE:

- * 0° to 50° C

CONTROL RELAYS:

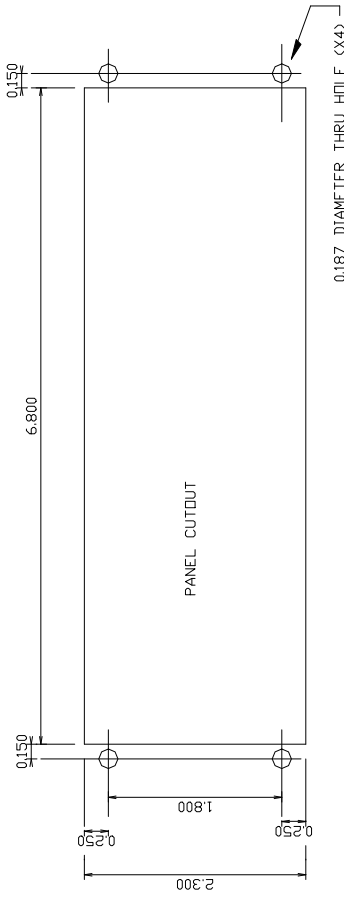
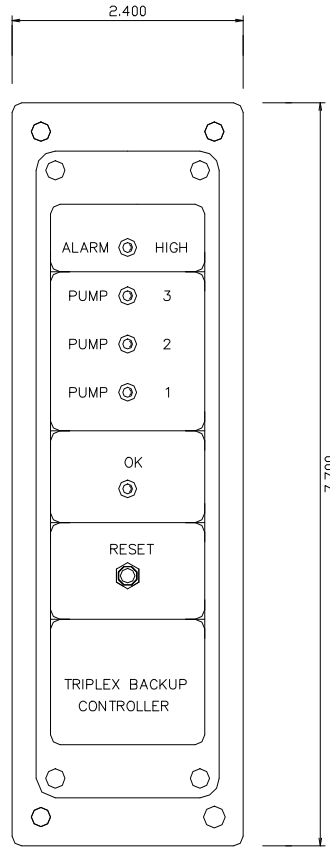
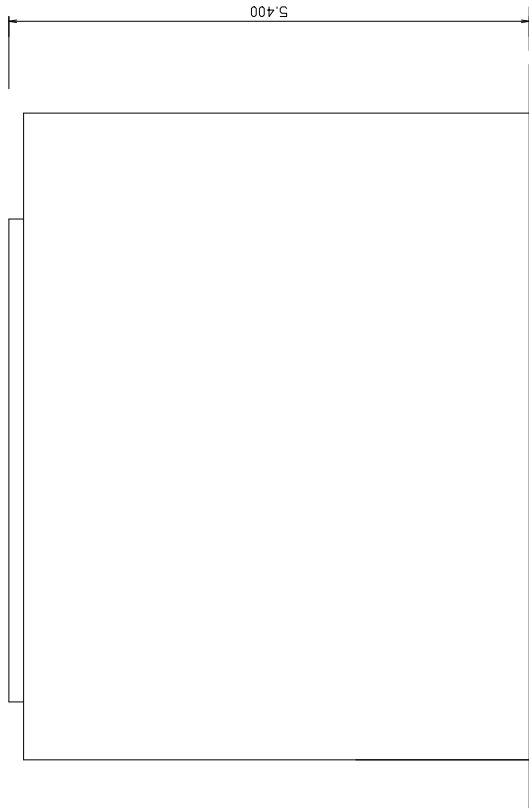
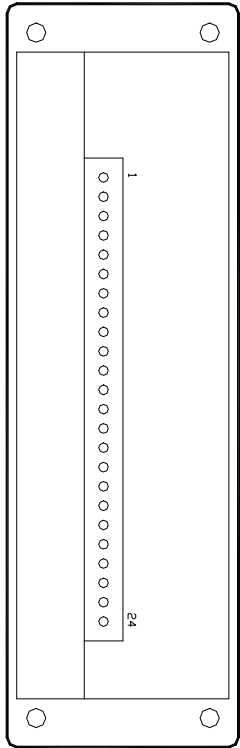
- * 10 amps @ 125VAC

INPUTS:

- * 5 - float switch inputs. (Low, off, lead, lag, and high) (Self powered and optically isolated)

OUTPUTS:

- * 4 - SPST (Form A) 10 amp relays (Pump 1, 2, & 3 for driving motor starters and system alarm)



APPROVALS		<i>CONSILIUM US, INC.</i>	
		CAD OPERATOR	CHECKER
DESIGN ENGINEER	BRITTIAN PARKER	BPC CONTROLLER MOUNTING DIMENSIONS	
MANAGEMENT		DRAWING NUMBER	12076MT
		FILE NAME	SCALE
			SHEET