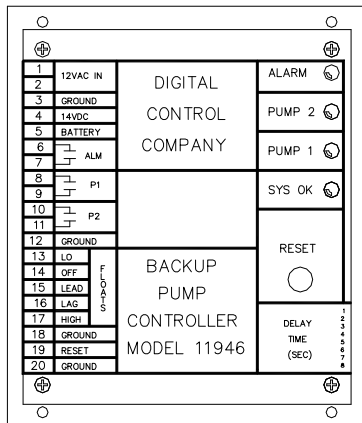




Backup Pump Controller (BUPC) Model Number: 11946 (U.L. Listed)

Manufacturer of High Performance Instrumentation and Control Systems



Description:

The Backup Pump Controller (BUPC) model 11946 is a control and display unit which automatically controls up to two single speed pumps in the event of a primary controller failure. It is designed to serve as a backup controller in a duplex pump control system for lift stations and other fluid pump-down applications. The unit can also function as a primary duplex float switch controller. The BUPC provides built-in pump alternation, pump start time delay, and a system alarm to indicate primary control failure. It is designed to work with up to five float switches. When operating as a backup controller, it will only control the pumps if the primary controller failed to maintain a liquid level within the normal operating limits. If the BUPC senses that the level has exceeded the primary control upper limit, then it will take over and operate the pumps.

Applications:

- Wastewater Pump Station Level Control
- Water and Wastewater Plant Level Control
- Storm Water Level Control
- Liquid Level Control for Tanks
- Holding Pond Level Control
- Most Liquid Level Control Applications

Features:

- Provides fully redundant backup control system to protect against primary control or sensor failure.
- Controls up to 2 pumps with built-in alternation and time delay between pump starts.
- Accepts 2 types of sensors including floats switches and a stand tube type sensor (optional).
- 3 modes of operation including: (1) backup single float, (2) backup dual float, and (3) primary duplex float switch controller.
- Pumps, system, and alarms status indicators on front panel.
- Alarm relay output to detect alarms from remote site.
- 12 VDC input power operation allows unit to maintain its alarm system during power outages by using battery power.
- Uses non-volatile memory allowing system to retain program software during power loss.
- Proven software that allows for easy setup and reliability.
- Custom software available from factory.

Specifications:

Input Power:

- 12 VAC or 12VDC $\pm 20\%$, 1 A max.

Operating Temperature Range:

- -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$)

Inputs (Non-isolated):

- 5 - Float switches (self-powered)

Relay Outputs:

- Pump 1, 2, and System Alarm - SPST Form A - 10 A at 125 VAC

Transient Protection:

- Metal Oxide Varistor

Interconnect:

- Pluggable terminal blocks (screw type)

External Dimensions:

- 5.40"H x 4.60"W x 1.80"D

UL File Number:

- E201217



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