

## SIMPLEXER



UL FILE # E101681



### FEATURES

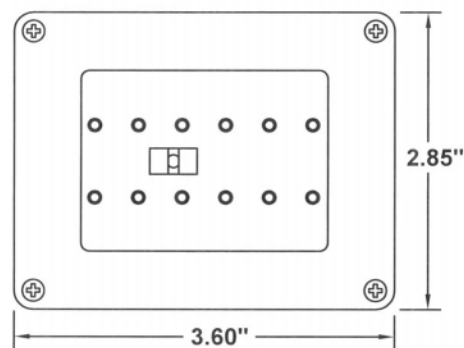
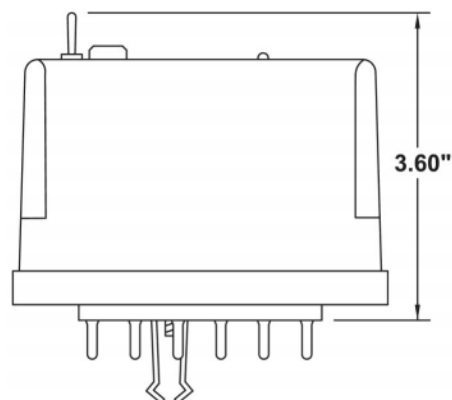
Float or Conductance Probe Level Inputs  
 Level Input Indication  
 Pump Call Indication  
 High Level Alarm Indication  
 Surge Protected Level Inputs  
 Level Simulation / Alarm Silence Push-Button  
 HOA Switch  
 Pump Call Relay  
 High Level Alarm Light Relay  
 High Level Alarm Horn Relay  
 RS232 Serial Port with Modbus Protocol

UL Listed only  
 When used with  
 SD12-PC socket.

**MADE IN  
 THE U.S.A.**

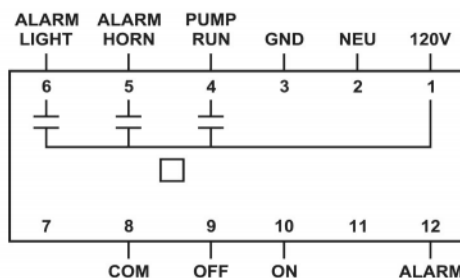
### DESCRIPTION

The SIMPLEXER is a low cost SCADA ready pump controller designed to perform level control for simplex lift station applications. The level inputs can be connected to either three float switches or to a conductance probe. LED's provide level input status, pump call status, and high level alarm status indication. Output relays are provided for pump run, high level alarm for alarm light and high level alarm for alarm horn. HOA switch is also provided. Level simulation is accomplished by pressing and holding the push-button. Releasing the push-button allows the simulated level to return to normal. The push-button may also be pressed to silence the alarm horn. Connecting the serial port to a SCADA system allows the lift station to be monitored and controlled remotely. By connecting a programming device to the serial port (MPE p/n TSID), a number of settings may be accessed to customize the unit.



### SPECIFICATIONS

|                        |  |
|------------------------|--|
| Input Power:           | 120 VAC $\pm 10\%$ , 10 VA max                       |
| Relay Outputs:         | 6 A Resistive @ 120 VAC<br>3.6 A Inductive @ 120 VAC |
| Agency Approval:       | UL 508, CAN/CSA                                      |
| Indicators:            | LED's  |
| Sensor Output Voltage: | $\pm 12$ V Square wave                               |
| Sensor Output Current: | $\pm 1.2$ mA max (per sensor)                        |
| Operating Temp:        | -20 to +60 °C  |
| Storage Temp:          | -45 to +85 °C  |
| Enclosure:             | Lexan  |



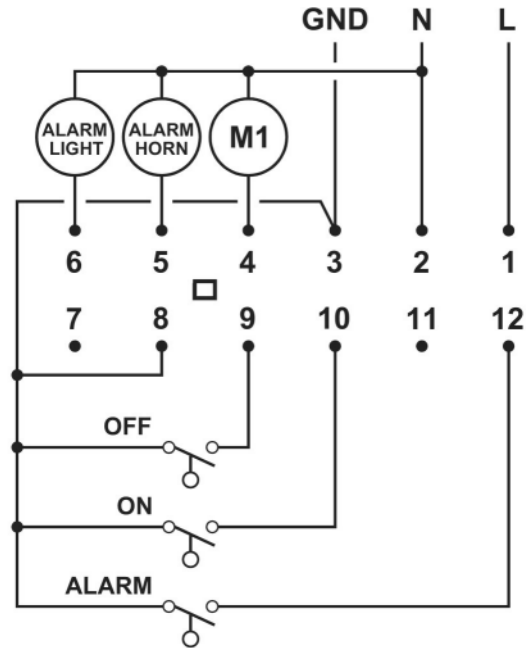
### ORDERING INFORMATION

**Part Number:** 010-120-121P

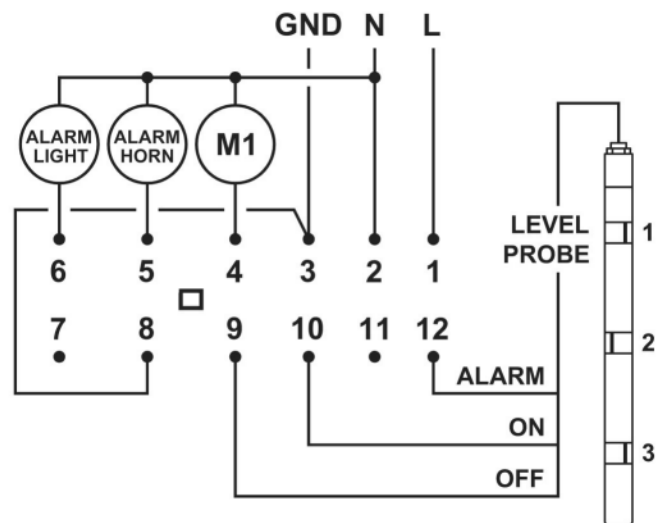
# SIMPLEXER

## CONNECTION DIAGRAMS

### FLOAT SWITCH



### LEVEL PROBE



### RS-232 SERIAL PORT

