



DUPLEXER



UL FILE # E101681



FEATURES:

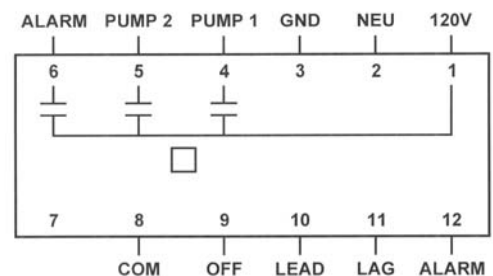
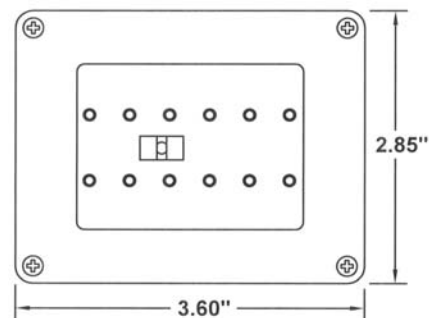
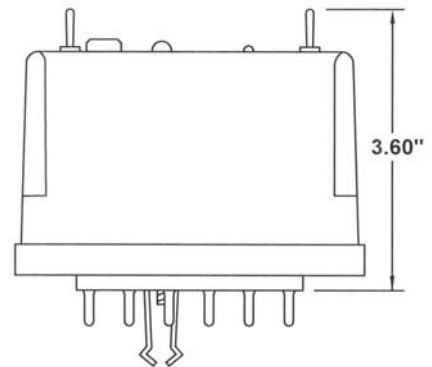
- Float or Conductance Probe Level Inputs
- Duplex Alternation
- Level Status, Pump On and High Alarm LEDs
- Surge Protected Level Inputs
- Power Up and Lag Pump Delays
- Level Simulation Pushbutton
- HOA and Lead Select Switches
- Pump Call and High Level Alarm Relays
- RS232 Serial Port with Modbus RTU Protocol
- or Ethernet Port with Modbus TCP Protocol
- SCADA Features Include: Level Input Status, Remote Pump Control, Pump Run Elapsed Time Meters, Pump Last Run Cycle Time Meters and Pump Start Counters

UL Listed only
When used with
SD12-PC socket.

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

DESCRIPTION

The DUPLEXER is a low cost SCADA ready pump controller designed to perform level control for duplex lift station applications. The level inputs can be connected to either four float switches or to a conductance probe. The Duplexer provides a 10 second power-up start delay, 5 second lag pump delay, and duplex alternation. LEDs provide power on status, level input status, pump call status, and high level alarm status indication. Pump 1&2 call and high level alarm relays are provided. HOA and lead select toggle switches are also provided. The high level status indication latches upon high level, until reset by pressing the reset pushbutton (the relay does not stay latched). Level simulation is accomplished by pressing and holding the pushbutton. Releasing the pushbutton allows the simulated level to return to normal. Connecting the Duplexer to a SCADA system allows the lift station to be monitored and controlled remotely. By connecting the Duplexer to a Touch Screen Interface Device (MPE part #: TSID) a number of settings may be accessed to customize the unit.



SPECIFICATIONS

Input Power:	120VAC ±10%, 10VA max
Relay Outputs:	6A Resistive @ 120VAC 3.6A Inductive @ 120VAC
Agency Approval:	UL 508, CAN/CSA
Indicators:	LED
Sensor Output Voltage:	±5V Square wave
Sensor Output Current:	±0.5mA max (per sensor)
Operating Temp:	-20 to +60 °C
Storage Temp:	-45 to +85 °C
Enclosure:	Lexan
Base:	Rhynite

ORDERING INFORMATION

Part Number: **010 - 120 - 122 P X**

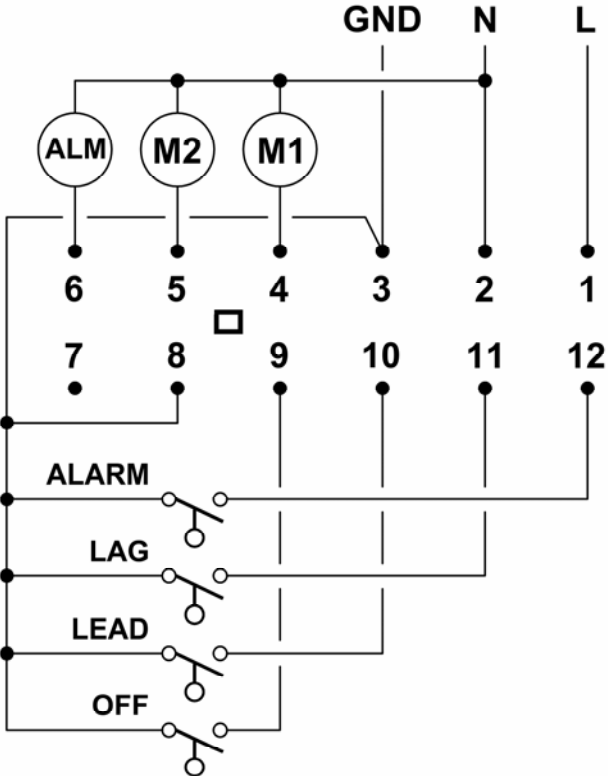
Communication Options:

- R = RS232 Serial Port
- E = Ethernet Port

DUPLEXER

CONNECTION DIAGRAMS

FLOAT SWITCH



LEVEL PROBE

