



DUPLEXER

MADE IN
THE U.S.A.

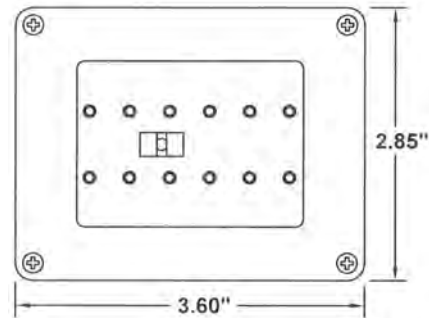
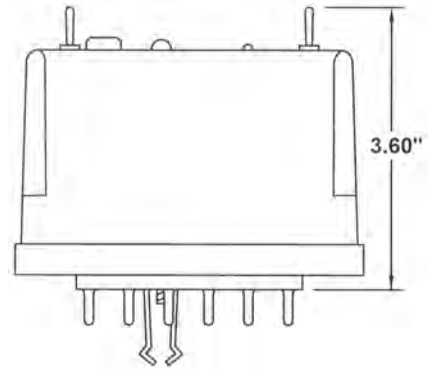


FEATURES:

- Float or Conductance Probe Level Inputs
- Duplex Alternation
- Level Input Indication
- Pump Call Indication
- High Level Alarm Indication
- Power On Indication
- Surge Protected Level Inputs
- Power Up and Lag Pump Delays
- Level Simulation Push-Button
- HOA and Lead Select Switches
- Pump Call and High Level Alarm Relays
- RS232 Serial Port with Modbus RTU Protocol

UL FILE # E101681

UL Listed only when used with an SD12 or SD12-PC socket.

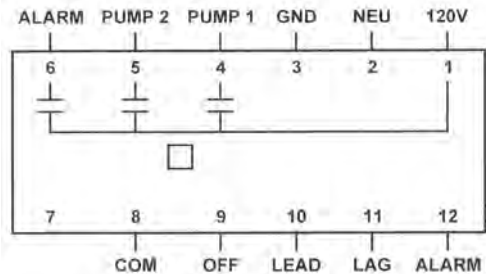


DESCRIPTION

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 push-button (the relay does not stay latched). Level simulation is accomplished by pressing and holding the push-button. Releasing the push-button allows the simulated level to return to normal. 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:	120VAC ±10%, 10VA max
Relay Outputs:	6A Resistive @ 120VAC 3.6A Inductive @ 120VAC
Agency Approval:	UL 508, CAN/CSA
Indicators:	LED's
Sensor Output Voltage:	±12V Square wave
Sensor Output Current:	±1.2mA max (per sensor)
Operating Temp:	-20 to +60 °C
Storage Temp:	-45 to +85 °C
Enclosure:	Lexan
Base:	Rhynite



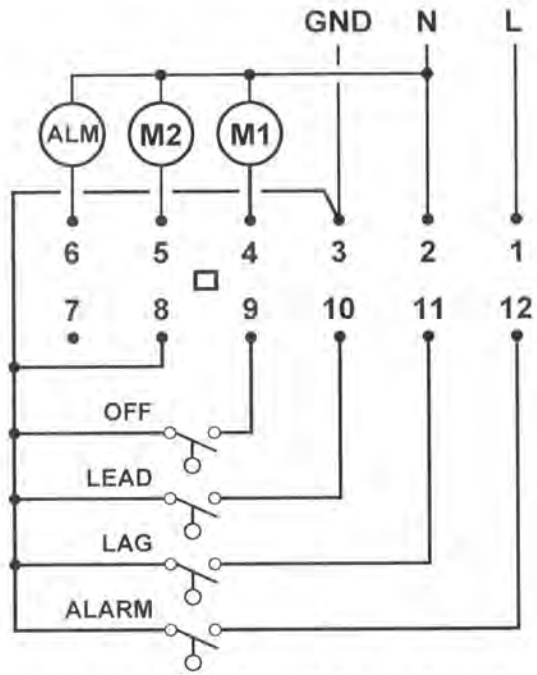
ORDERING INFORMATION

Part Number: 010-120-122P

DUPLEXER

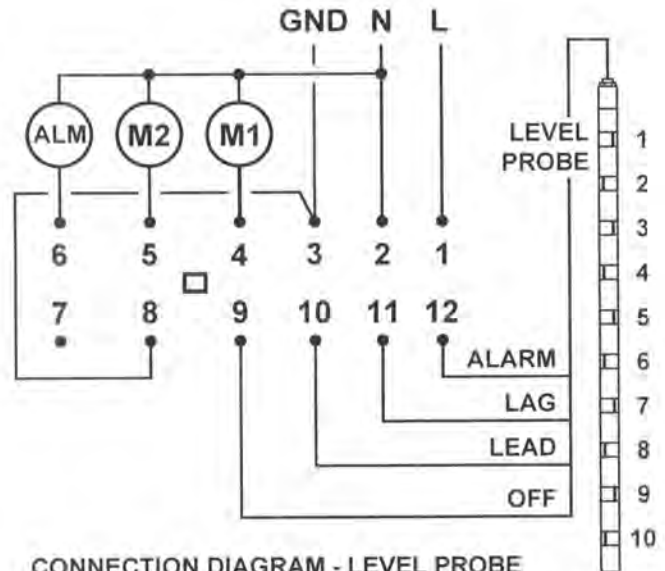
CONNECTION DIAGRAMS

FLOAT SWITCH



CONNECTION DIAGRAM - FLOAT SWITCH

LEVEL PROBE



CONNECTION DIAGRAM - LEVEL PROBE

SERIAL PORT

