

Panel Wiring Diagram Model S2 IR2 PTRO



Oreco Systems
Incorporated

814 AIRWAY AVENUE
SUTHERLIN, OREGON
97479-9012

TELEPHONE:
(541) 459-4499

FACSIMILE:
(541) 459-2884

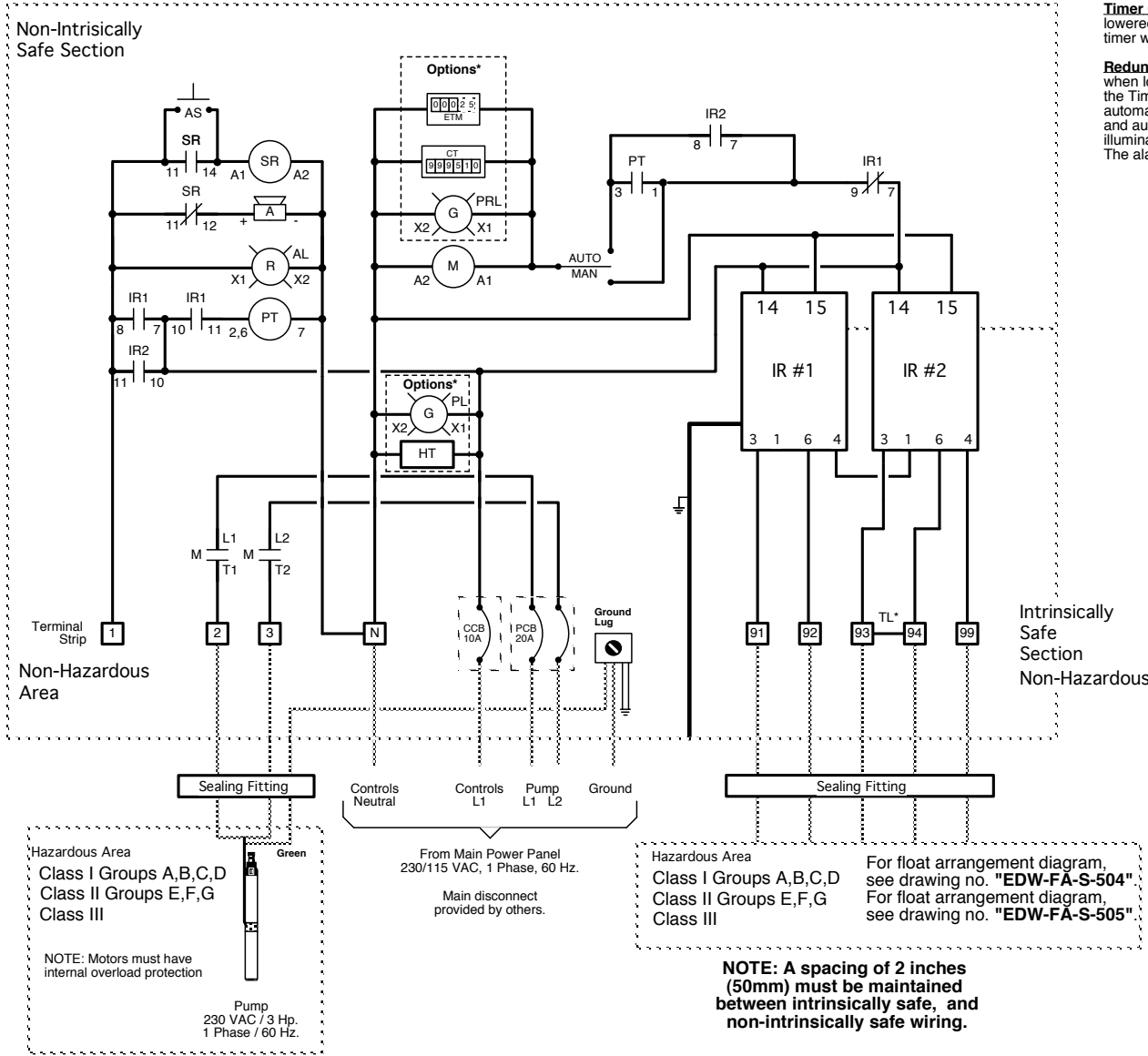
Simplex Operation

High Level Alarm: This float activates the alarm light and audible alarm when lifted. The audible alarm may be silenced by pressing the illuminated PUSH TO SILENCE button on the front of the control panel. The alarm light will remain on until the float is lowered.

Timer Override On & Off: This float turns on the pump when lifted and off when lowered.

Timer On & Off: this float turns off the programmable timer when lowered. When this float is lifted the timer will be restarted. Note: The timer will start with its off cycle.

Redundant Off & Low Level Alarm: This float turns off the pump when lowered. This float is a secondary off float which will operate if the Timer On & Off float fails. Pumping will be disabled in both the automatic and manual modes. This float also activates the alarm light and audible alarm. The audible alarm may be silenced by pressing the illuminated PUSH TO SILENCE button on the front of the control panel. The alarm light will remain on until the float is lifted.

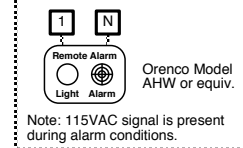


Key

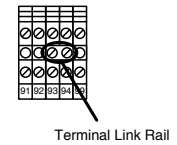
- = Factory Wire
- - - = Field Wire
- ~ = Alternate Field Wire
- A = Audio Alarm, 115 VAC
- AL = Alarm Light
- AS = Audio Silence Switch
- CCB = Controls Circuit Breaker
- IR = Intrinsically Safe Relay
- M = Motor Contactor
- PCB = Pump Circuit Breaker
- PT = Programmable Timer
- SR = Silence Control Relay
- TL = Terminal Link

- *Options**
- CT = Cycle Counter
 - ETM = Elapsed Time Meter
 - HT = Heater
 - PL = Power Light
 - PRL = Pump Run Light

Remote Alarm Connections



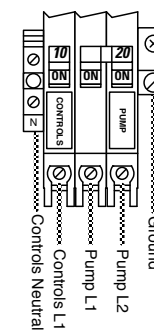
*Removal of Alarm / Timer Override Link Rail



Removal of the terminal link rail will separate the high level alarm and timer override functions.

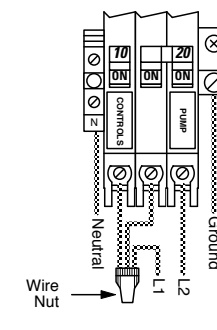
Power Wiring Options

Two Circuits



Factory default. Wire as shown.

One Circuit



Use a wire nut to connect the first pole of the pump circuit breaker together with the controls breaker and with the incoming L1 power line.

Hazardous Area
Class I Groups A,B,C,D
Class II Groups E,F,G
Class III

NOTE: Motors must have internal overload protection

Pump
230 VAC / 3 Hp.
1 Phase / 60 Hz.

From Main Power Panel
230/115 VAC, 1 Phase, 60 Hz.
Main disconnect provided by others.

Hazardous Area
Class I Groups A,B,C,D
Class II Groups E,F,G
Class III

NOTE: A spacing of 2 inches (50mm) must be maintained between intrinsically safe, and non-intrinsically safe wiring.

For float arrangement diagram, see drawing no. "EDW-FA-S-504"
For float arrangement diagram, see drawing no. "EDW-FA-S-505"