

Panel Wiring Diagram Model DAX1 IR2 PT R0

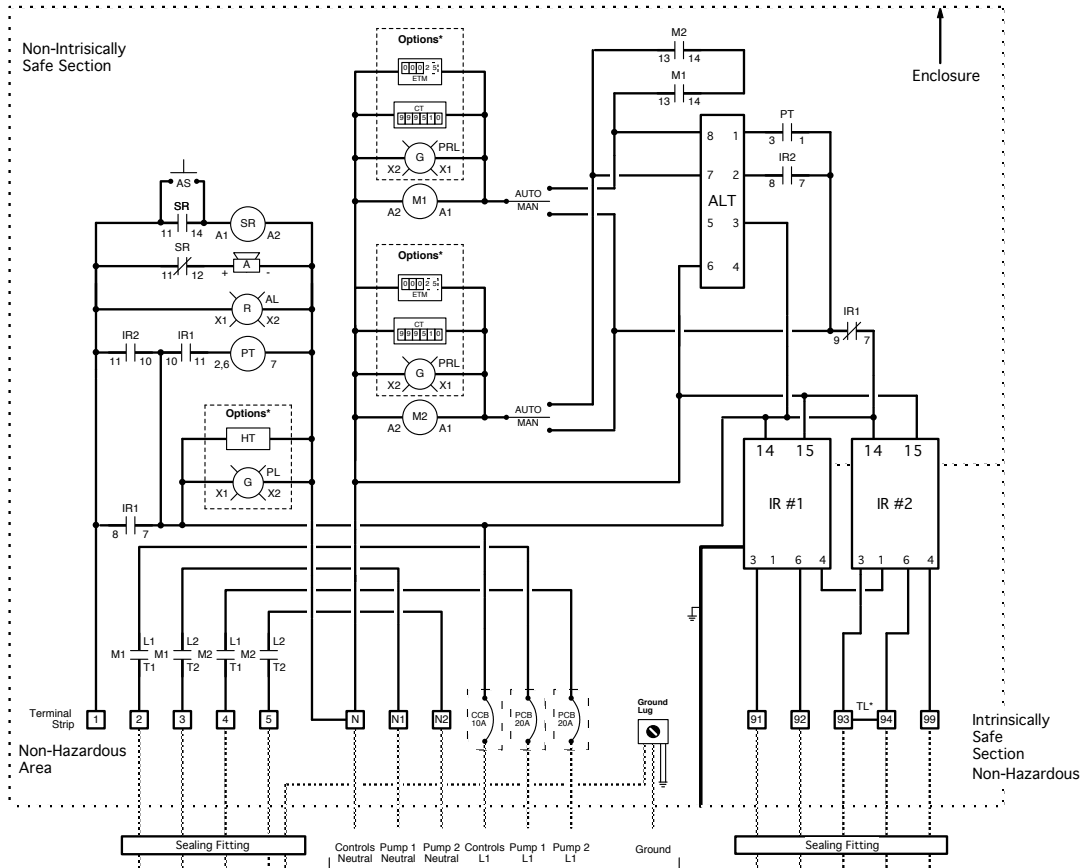


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Hazardous Area
Class I Groups A,B,C,D
Class II Groups E,F,G
Class III
NOTE: Motors must have internal overload protection

Pumps
115 VAC / 1 Hp.
1 Phase / 60 Hz.

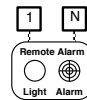
From Main Power Panel
115 VAC, 1 Phase, 60 Hz.
Main disconnect provided by others.

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

For float arrangement diagram, see drawing no. "EDW-FA-DAX-504"
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NOTE: A spacing of 2 inches (50mm) must be maintained between intrinsically safe, and non-intrinsically safe wiring.

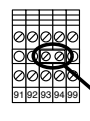
Remote Alarm Connections



Orenco Model AHW or equiv.

Note: 115VAC signal is present during alarm conditions.

* Removal of Alarm / Override Link Rail



Removal of the terminal link rail will separate the high level alarm and lag pump on functions.

Terminal Link Rail

Duplex 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 lag 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(s) 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 float is lifted.

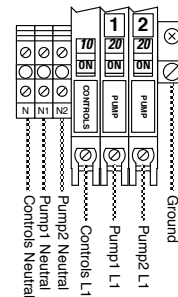
Programmable Timer: The timer turns the lead pump on and off in a pre-set cycle. Note: The timer will start with its off cycle.

Key

- = Factory Wire
 - = Field Wire
 - - - = Alternate Field Wire
 - A = Audio Alarm, 115 VAC
 - AL = Alarm Light
 - ALT = Duplex Alternator
 - 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

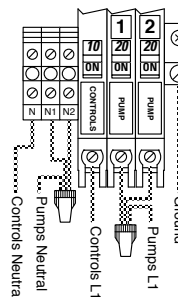
Power Wiring Options

Three Circuits



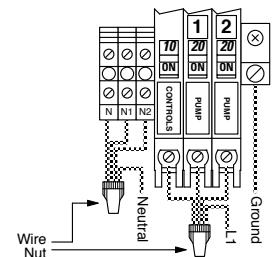
Factory default. Wire as shown.

Two Circuits



Use one wire nut to connect the pole of each pump circuit breaker together with the controls breaker and with the incoming L1 power line. Use another wire nut to connect the neutral block of each pump with the incoming neutral line.

One Circuit



Use one wire nut to connect the pole of each pump circuit breaker together with the controls breaker and with the incoming L1 power line. Use another wire nut to connect the neutral block of each pump with the incoming neutral line.