Panel Wiring Diagram
Model DAX1 PT

OSi
Orenco Systems®
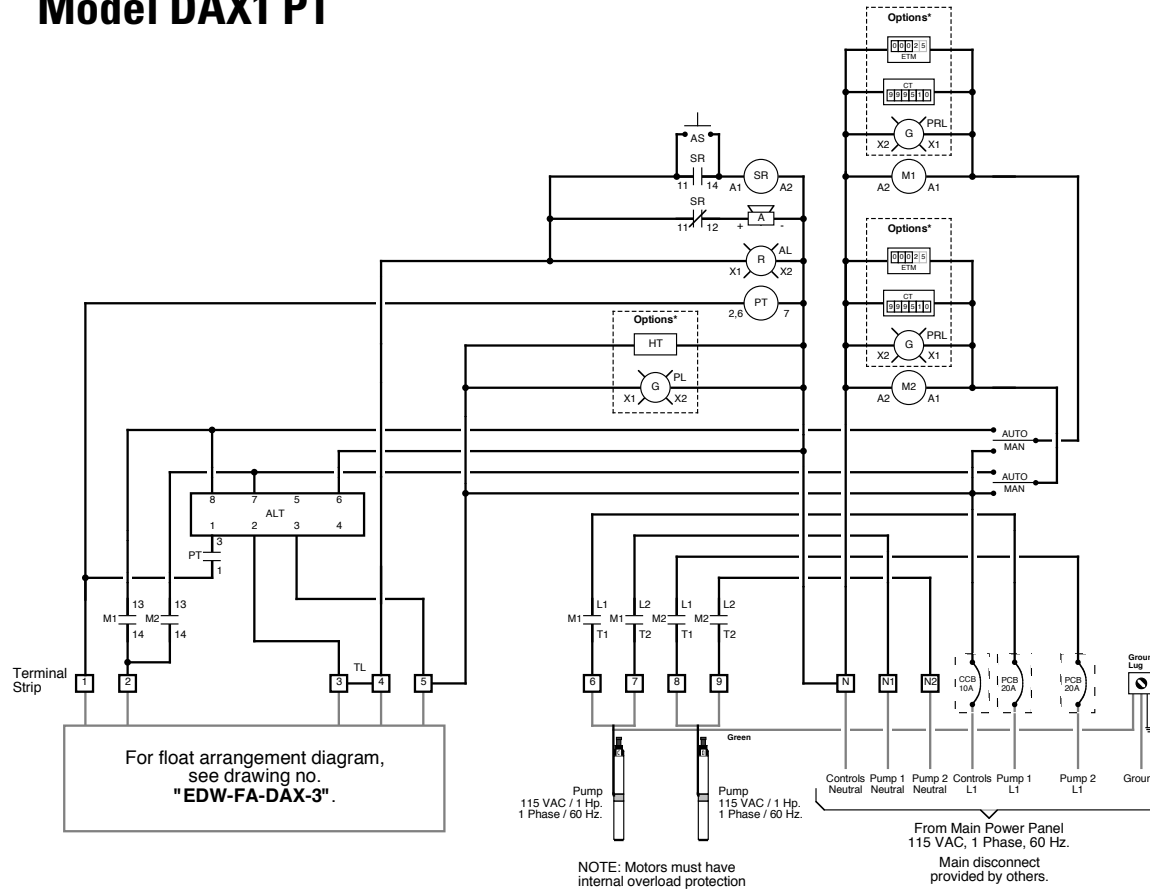Incorporated

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: This float turns on the lag pump when lifted.

Timer Override Off: When lowered, this float turns off any pump(s) which were started by the Timer Override On float.

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.

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
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

Terminal Strip

For float arrangement diagram, see drawing no. **"EDW-FA-DAX-3"**.

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

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NOTE: Motors must have internal overload protection

Controls Neutral | Pump 1 Neutral | Pump 2 Neutral | Controls L1 | Pump 1 L1 | Pump 2 L1 | Ground

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

Remote Alarm Connections

4	N

Remote Alarm
Light   Alarm

Orenco Model AHW or equiv.

Note: 115VAC signal is present during alarm conditions.

Removal of Alarm / Override Link Rail

Terminal Link Rail

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

Power Wiring Options

Three Circuits

N | N1 | N2 | CONTROLS | PUMP | PUMP | ×

Controls Neutral | Pump1 Neutral | Pump2 Neutral | Controls L1 | Pump1 L1 | Pump2 L1 | Ground

Factory default. Wire as shown.

Two Circuits

Controls Neutral | Pumps Neutral | Controls L1 | Pumps L1 | Ground

Use one wire nut to connect each pump circuit breaker together 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

Wire Nut | Neutral | L1 | Ground

Use one wire nut to connect 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 controls neutral block and with the incoming neutral line.