Panel Wiring Diagram
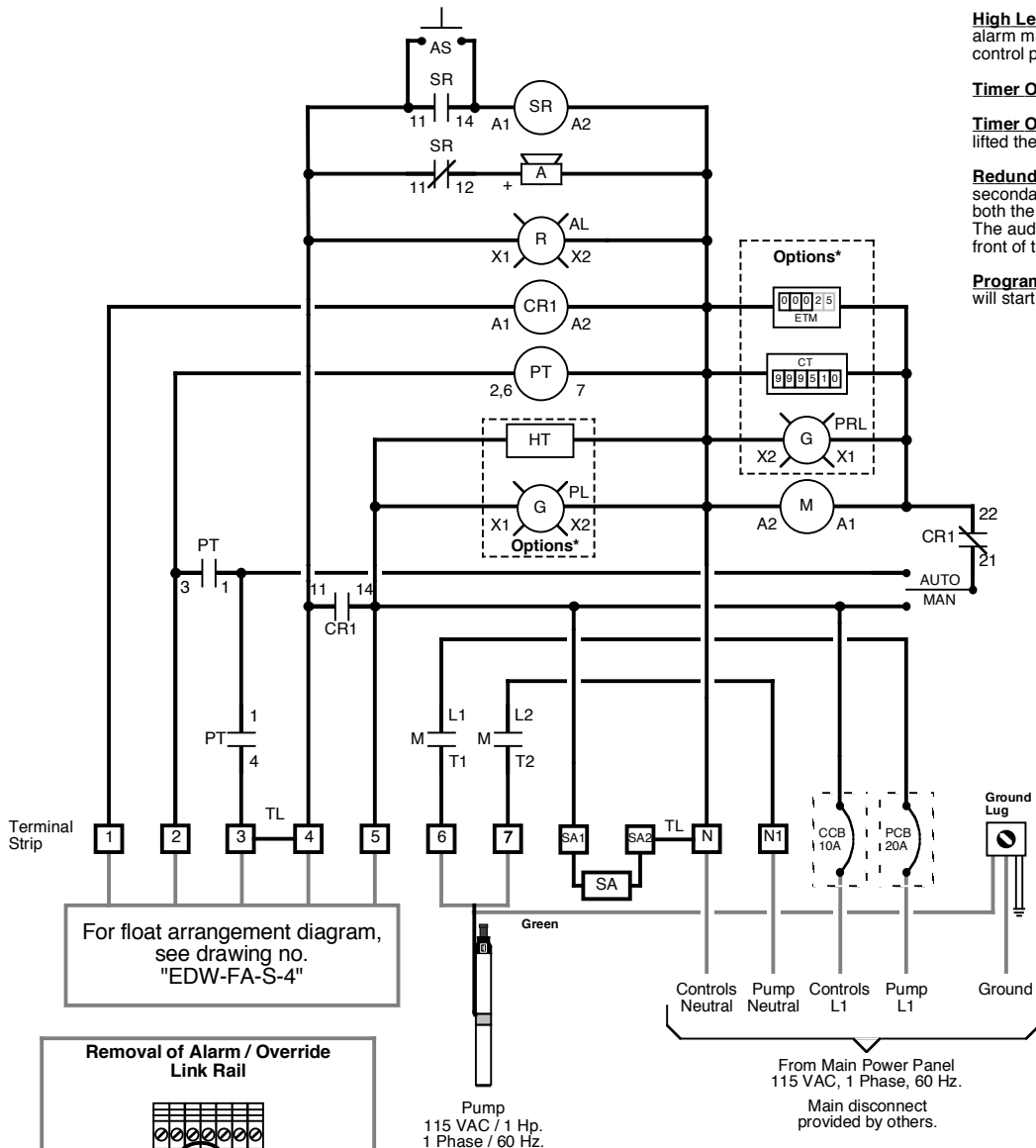# Model S1 PT RO SA

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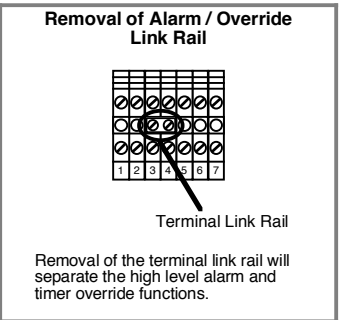
Timer On & Off: This float turns off the programmable timer when lowered. When this float is lifted the timer will be restarted. Note: The timer will start with its off cycle.

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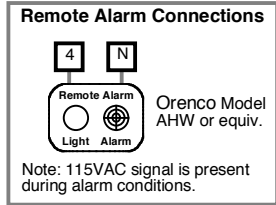
Programmable Timer: The timer turns the pump on and off in a pre-set cycle. Note: The timer will start with its off cycle.

Remote Alarm Connections

| 4 | N |

Remote Alarm
Light   Alarm

Orenco Model AHW or equiv.

Note: 115VAC signal is present during alarm conditions.

Key

━━	= Factory Wire
━━	= Field Wire
·····	= Alternate Field Wire
A	= Audio Alarm, 115 VAC
AL	= Alarm Light
AS	= Audio Silence Switch
CCB	= Controls Circuit Breaker
CR1	= Redundant Off Relay
M	= Motor Contactor
PCB	= Pump Circuit Breaker
PT	= Programmable Timer
SA	= Surge Arrestor
SR	= Silence Control Relay
TL	= Terminal Link

*Options

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

Options*

ETM 00025

CT 999510

Options*

Terminal Strip

For float arrangement diagram, see drawing no. "EDW-FA-S-4"

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.

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

NOTE: Motors must have internal overload protection

Green

Ground Lug

CCB 10A   PCB 20A

Controls Neutral   Pump Neutral   Controls L1   Pump L1   Ground

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

Power Wiring Options

Two Circuits

Controls Neutral   Pump Neutral   Controls L1   Pump L1   Ground

Factory default. Wire as shown.

One Circuit

Wire Nut   Neutral   L1   Ground

Use one wire nut to connect the pump and controls circuit breakers together with the incoming L1 power line. Use another wire nut to connect the pump and controls neutral blocks together with the incoming neutral line.

EDW-WD-S-118
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