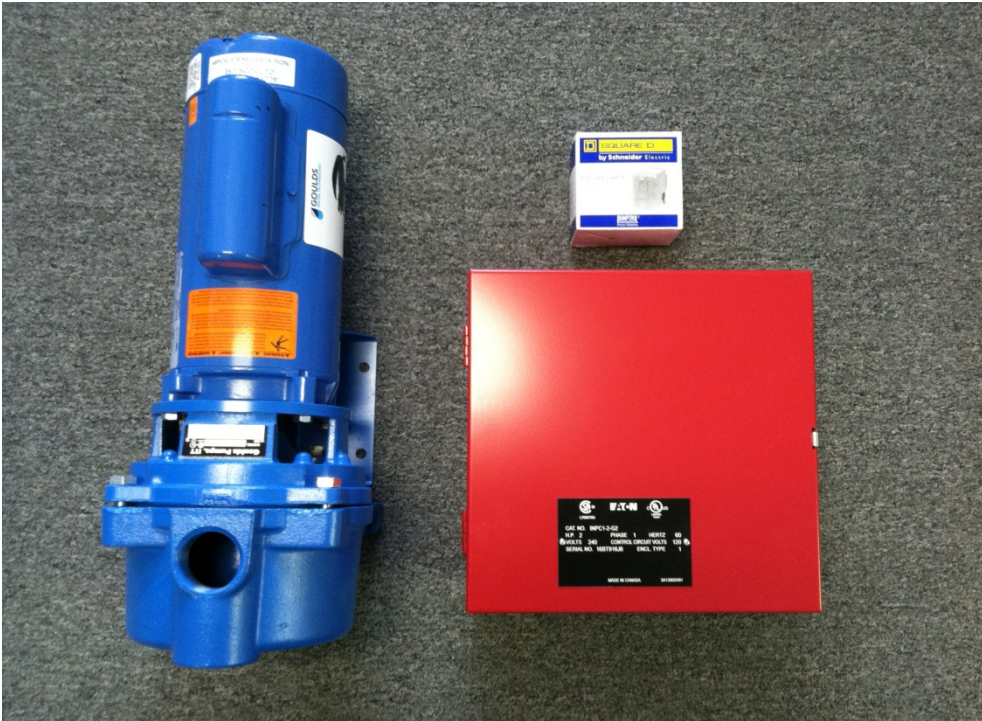


Wiring Instructions for Eaton Life Safety Panel and Non-Listed Pump

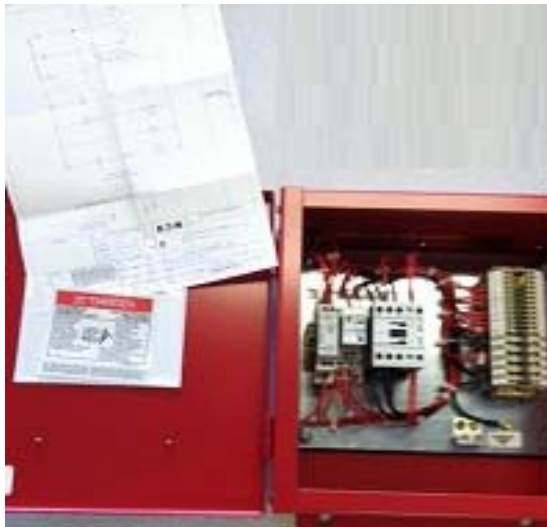
** Please note, these instructions are for illustrative purposes only and do not supersede any current building codes or standards. Please make sure to consult all current codes and standards including but not limited to all applicable NFPA and NEC requirements prior to installation**

1. Verify equipment supplied is (1) Goulds 230/1/60, end suction pump, model GT20 or 15 with 1.5" suction and 1.5" discharge, (1) Eaton Catalog # INPC1-2G2, Life Safety Panel, for 2 HP, 230/1/60, and (1) Square D 30# - 50# pressure switch.



2. Open Eaton controller and locate wiring diagram inside the plastic sleeve located on the back of the controller door. Verify connections to be made as ground wire to the ground lug, incoming power to L1, L2, and N (neutral is required for proper panel operation), motor connection to T1 and T2, pressure switch connection to L1 and 1, power failure dry alarm contacts (if used) can be connected to terminals 11 - 24 using either N.O. or N.C. contacts as needed, connect the flow switch wires (if used) to L1 and 5, and connect an alarm bell or light (if used) to 5 and N.

WIRING DIAGRAM



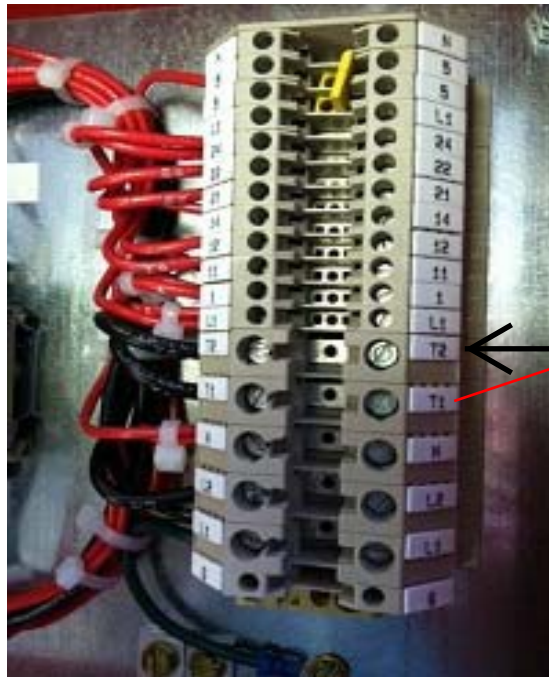
3. Mount pump, panel, and pressure switch using standard installation practices. Remove rear cover plate of the pump motor and locate the terminals L1 and L2



4. Make the required connection to the appropriately sized wire. Wire grade and sizing to be per NEC requirements. Please note the motor nameplate showing a max load amperage



5. Terminate the motor lead wires in the Eaton controller on terminals T1 and T2. Please note, the controller is NOT manufactured with any knock-outs.



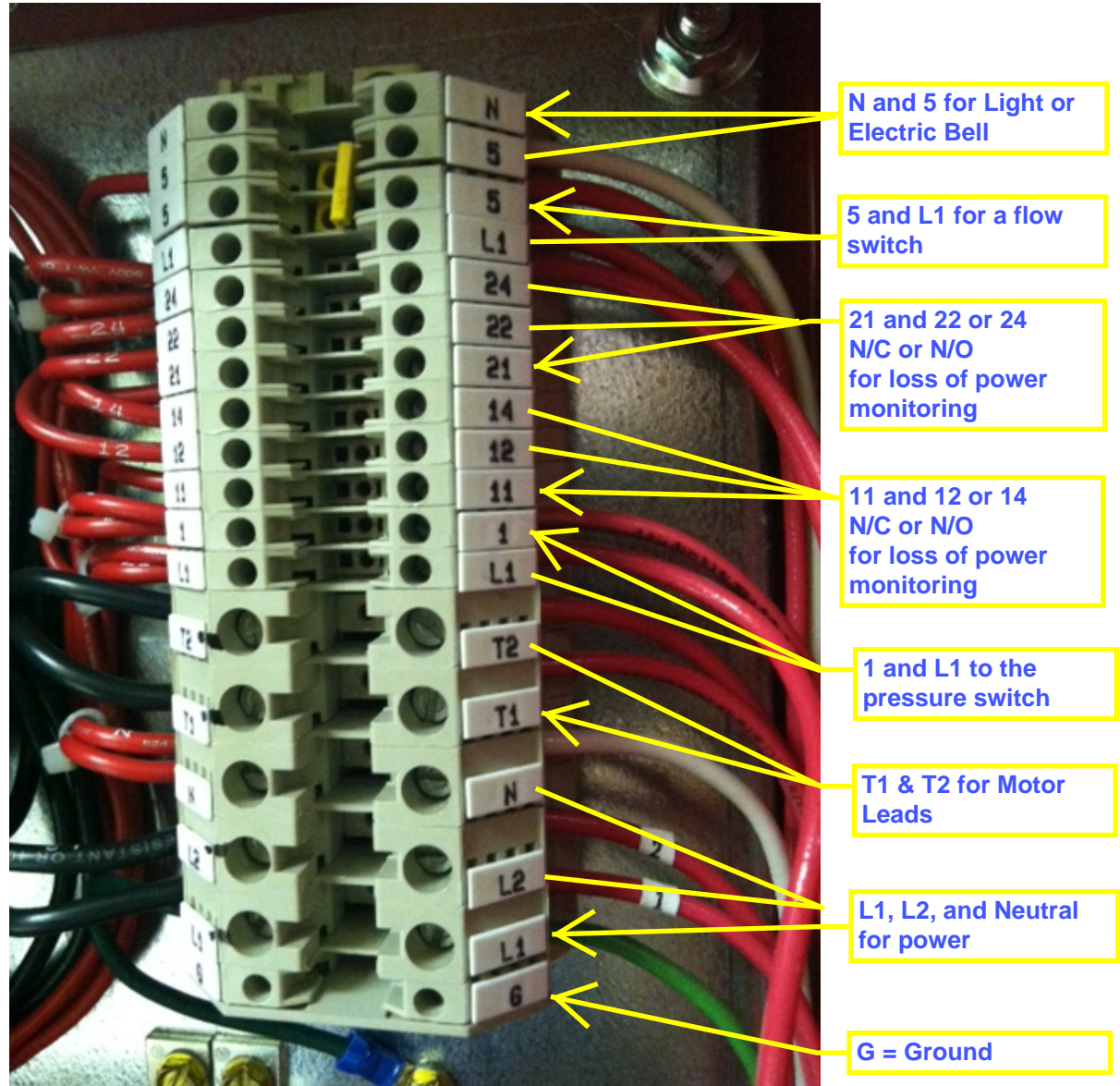
T1&T2 = Motor leads

6. Remove plastic cover from the Square D pressure switch. Connect appropriate size and grade wire to either PAIR of contacts.

Example of 1 pair



7. Connect the wire(s) from the pressure switch to the L1 and 1 terminals. Connect the power wiring to the L1, L2, and N terminals - A NEUTRAL IS REQUIRED FOR PROPER PANEL OPERATION. Size wire and circuit breaker per NEC requirements - note max amperage from motor nameplate from step 4.



8. Do not energize the controller until all piping connections have been finalized by the sprinkler contractor, plumber, or mechanical contractor responsible for the pump and tank installation. Water must be present at the pump prior to energizing the controller. DO NOT RUN THE PUMP DRY AS THIS WILL LEAD TO POSSIBLE EQUIPMENT FAILURE.

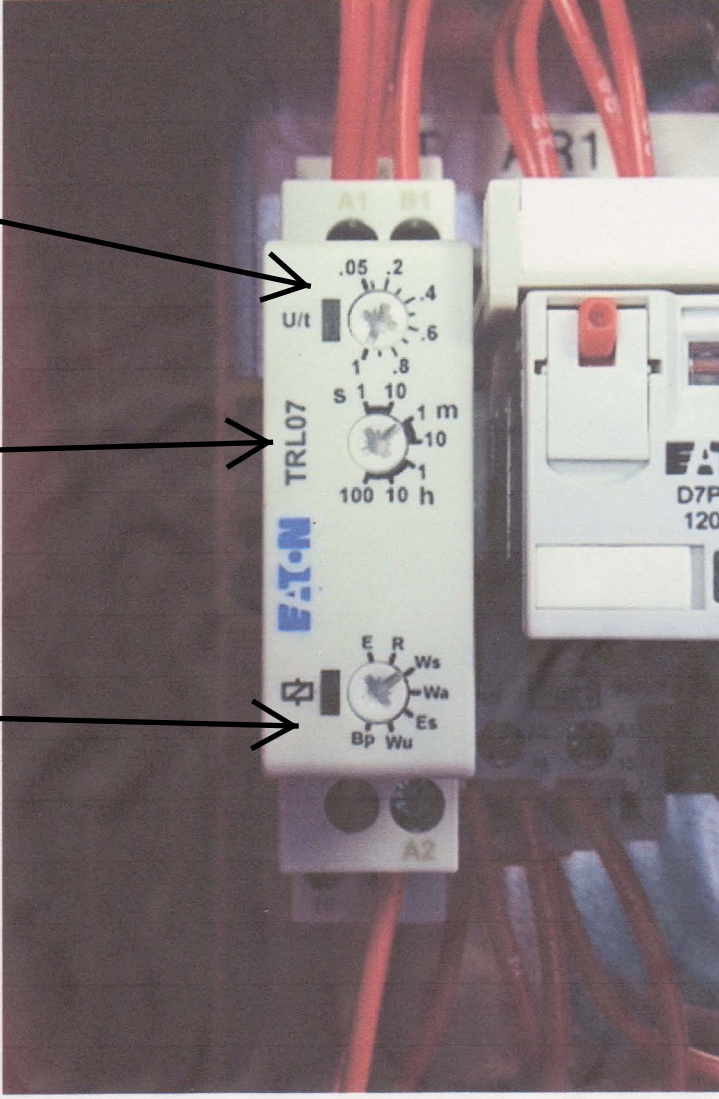
9. When all connections have been confirmed and there is water to the pump, energize the controller. Water may have to be drained from the system to start the pump. Verify start and stop pressure of the pump and adjust the pressure switch accordingly if needed (adjustment instructions for the pressure switch are located under the switch cover).

10. Panel is equipped with a minimum run timer. This timer will engage after the stop setting has been achieved on the pressure switch and it will hold the motor contactor in until the timer duration has expired at which point if the system pressure is stabilized, the pump will then stop. Please review the separate timer sheet for confirmation of proper settings.

Unit of Time scale is adjustable from 0.05 to 1.0

Time Duration is adjustable:
"s" for seconds: 1-10
"m" for minutes: 1-10
"h" for hours: 1-10
10-100

"Mode" should be set to "Ws"



EATON MINIMUM RUN TIMER SETTING DEFINITIONS

**PLEASE NOTE THAT YOUR AUTHORITY HAVING JURISDICTION (AHJ) MAY HAVE SPECIFIC MINIMUM RUN DURATION REQUIREMENTS. IT IS NOT UNCOMMON TO SEE THE MINIMUM RUN TIMER SET FOR THE DESIGN DURATION OF THE SYSTEM BUT IT IS IMPORTANT TO CHECK WITH YOUR AHJ PRIOR TO FINAL COMMISSIONING.