



PSRP Pump Start Relay Installation and Operation Manual

The Intelligent Use of Water.™

LEADERSHIP • EDUCATION • PARTNERSHIP • PRODUCTS

At Rain Bird®, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit www.rainbird.com for more information about The Intelligent Use of Water™.

If you have any questions about this product, please visit www.rainbird.com or call 877-647-0294



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Typical PSRP Installation

Step 1

Turn Breaker "OFF"

- Never work with electrical wiring on a live circuit.

Step 2

Wire Pump

- Refer to wiring diagram on motor plate for proper voltage and wire placement.
- Refer to NEC wire cable chart for proper size wire. Undersized wire can affect pump performance.

Step 3

Plumb for Sensors

- Pressure Switch - 1/2" NPT
 - Install on discharge side of pump. If a y-strainer is used, place the pressure sensor after the y-strainer.
- Optional High Temperature Sensor - 1/4" NPT
 - Install directly on pump case or within 12" of the pump.

Step 4

Wire Sensor(s)

- Wire sensor(s) to RED & BLUE leads in the PSRP, secure with wire nuts.
 - *Optional temperature sensor is wired in series with pressure sensor.
- NOTE - RED & BLUE lead wires can be placed on either terminal of the pressure sensor and high temperature sensor.*

Step 5

Wire Lawn Controller

- Locate the Master Valve (mv) and Common (com) inside Lawn Controller.
- Wire MV to BLACK wire lead in PSRP, secure with wire nuts.
- Wire COM to WHITE wire lead in PSRP, secure with wire nuts.

Step 6

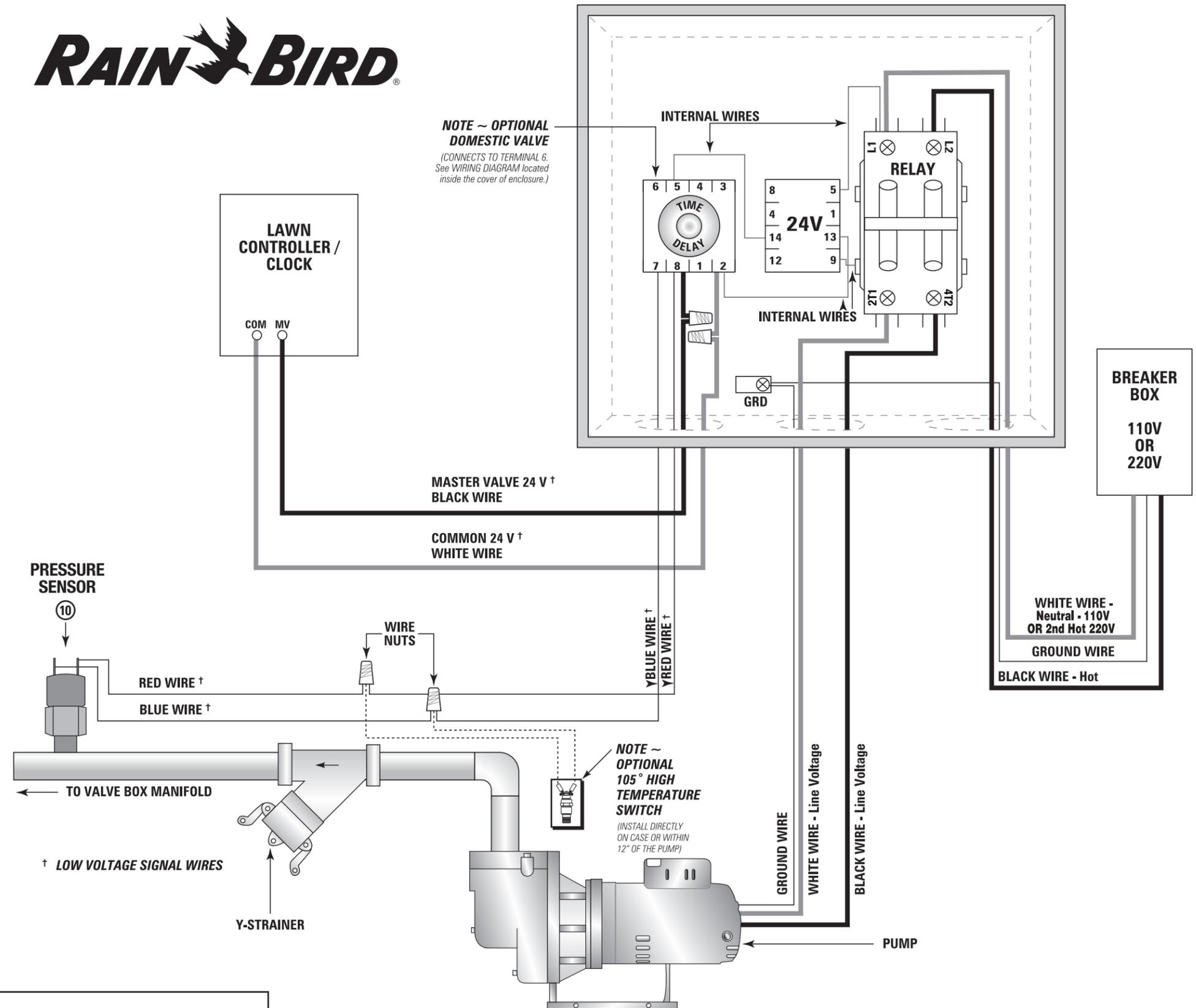
Wire Power Supply

- Run power supply wires from breaker box (110 v or 220 v).
- Attach GREEN grounding wire.
- Attach BLACK HOT to L2 on relay.
- Attach WHITE Neutral (110 v) / second HOT (220 v) to L1 on relay.

Step 7 & 8

Turn Breaker "On" & Program Lawn Controller

- Timer inside the PSRP Pump is preset at 30 seconds. Initial start-up or large zones may require additional time.
- Turn dial 1/4 turn to the right.
- Repeat run cycle, as needed, to fill all lines. Return timer to preset time.



WARNING

DO NOT ATTEMPT TO REWIRE OR ALTER WIRING IN THE PSRP OR WARRANTY WILL BE VOIDED.