Did You Know?
During a normal run cycle, no lights should be lit on the time delay. Should a sensor detect a possible system problem, the “on” light will engage. If the system is shut down during a cycle both the “on” and “up” lights will be lit for the duration of the lawn controller cycle.

Note 1: Checking the Time Delay – Turn the time delay down to 5 seconds. Next, cross the red and blue wire. The “on” light should turn on. After 5 seconds the system should shut off and both the “on” and “up” lights should be on.

Note 2: Filling system lines may require multiple run cycles to build enough pressure to initiate the sensor.

Call Munro technical support for any questions relating to this product.
Toll Free: 1.800.942.4270

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www.munropump.com
Typical SmartBox Installation

**Step 1**
- Turn Breaker “On”

**Step 2**
- **Plumb for Sensors**
  - Pressure Sensor - 1/4” NPT
  - Install on discharge side of the pump, as close to the pump as is practical, making sure the sensor is installed before a check valve.
  - High Temperature Sensor - 1/4” NPT
  - Install directly on pump case or within 12” of the pump.

**Step 3**
- **Wire Power Supply**
  - Run power supply wires from breaker box (110 v or 220 v).
  - Attach GREEN grounding wire to grounding screw.
  - Attach BLACK HOT to L2 on contactor.
  - Attach WHITE Neutral (110 v) / second HOT (220 v) to L1 on contactor.

**Step 4**
- **Wire Contactor to Pump**
  - Refer to wiring diagram on motor plate for proper voltage and wire placement.
  - Refer to NEC wire cable chart for proper size of wire. Undersized wire can affect pump performance.

**Step 5**
- **Wire Sensor(s)**
  - Wire sensor(s) to RED & BLUE leads in the SmartBox, secure with wire nuts.
  - Temperature sensor is wired in parallel with pressure sensor.

**Step 6**
- **Wire Lawn Controller**
  - Locate the Master Valve (MV) and Common (COM) inside Lawn Controller.
  - Wire MV to BLACK wire lead in SmartBox, secure with wire nuts.
  - Wire COM to WHITE wire lead in SmartBox, secure with wire nuts.

**Step 7**
- **Turn Breaker “Off”**
  - Never work with electrical wiring on a live circuit.

**WARNING**
- DO NOT ATTEMPT TO REWIRE OR ALTER WIRING IN THE SMARTBOX OR WARRANTY WILL BE VOIDED.
- DO NOT WIRE POWER DIRECTLY TO THE PRESSURE OR TEMPERATURE SENSOR. PRESSURE SENSOR WILL WORK WITH 24 VOLT ONLY.

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

**NOTE:**
- Refer to specific wiring diagram located on inside cover of enclosure.
- Turn Breaker “OFF” • Never work with electrical wiring on a live circuit.

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**System Fill Tip**
- Timer inside the Smartbox is preset at 30 seconds. Initial start-up or large zones may require additional time.
- To temporarily increase cycle time, turn the timer dial 1/4 turn to the right.
- Repeat run cycle, as needed, to fill all lines. Return timer to preset time.