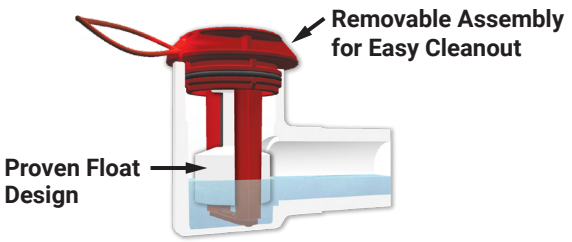
Asurity®

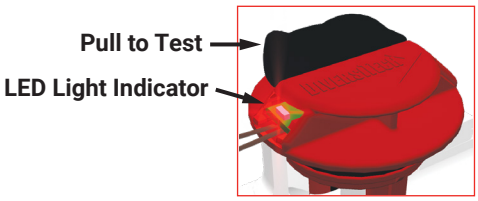
Installation Instructions

Condensate Safety Overflow Switch CS-2

Condensate Safety Overflow Switch for Primary Drain Pans

Cuts power to an air conditioning system when a clog or backup occurs, preventing water damage





STEP 1: On The Drain Pan

Thread the threaded bushing (3) into the drain pan outlet. Glue the threaded bushing (3) into the pipe elbow (2). Firmly press the sensor assembly (1) into the pipe elbow. (Refer to FIG. A.)

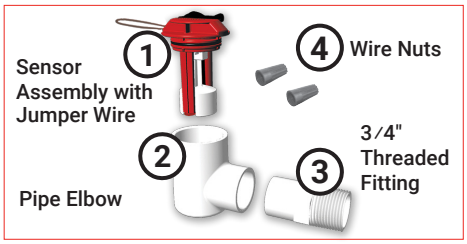


FIG. A: PRODUCT COMPONENTS

STEP 2: Ensure Sensor Tilt Threshold is Met

Do not glue the sensor assembly onto the pipe. Ensure that the sensor is not tilted more than 30°. (Refer to FIG. B.)

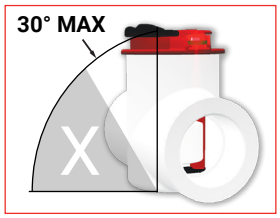


FIG. B: SENSOR TILT THRESHOLD

STEP 3: Verifying Correct Installation

The sensor can be wired in series to break control voltage (typically either the red or yellow wires. (Refer to FIG. C). Max current: 1.5 amp.

Use the "Pull To Test" lever to test functionality and confirm that LED is on when lever is up. Press down on the "Pull To Test" lever to ensure that it is flush with the housing. (Refer to FIG. D)

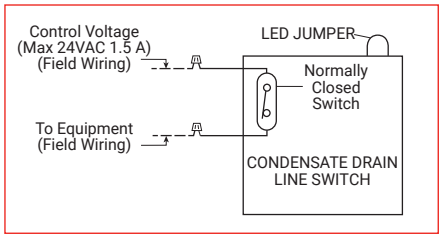


FIG. C: WIRING DIAGRAM



FIG. D: USING "PULL TO TEST" LEVER

SHUTDOWN TESTING MUST BE PERFORMED FOR EACH INSTALLATION TO ENSURE PROPER SWITCH OPERATION.

⚠ IMPORTANT INFORMATION REGARDING THE JUMPER WIRE

- The CS-2 uses a very small current to light the LED
- Some HVAC systems will not shut down when the CS-2 LED is illuminated
- In the event the HVAC system does not shut down when verifying installation (Step 3), cut jumper wire and insulate both ends with either wire nuts or electrical tape (Refer to Fig. E)
- Cutting the LED jumper will disable the LED
- Once the jumper wire is cut and insulated, repeat Step 3 by pulling the "Pull to Test" lever again to verify proper shutdown

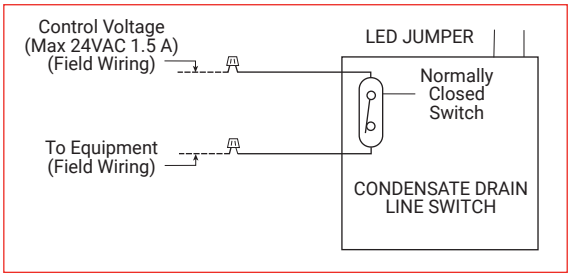


FIG. E: WIRING DIAGRAM WITH CUT JUMPER WIRE

Maintenance & Troubleshooting

Algae and mold growing inside the condensate drain line can restrict the movement of the float inside the housing. It is recommended to clean the float and housing with a mild dish soap solution and a soft or medium brush. Do not use vinegar, bleach, acetone, gasoline, or any other harsh or corrosive chemicals to clean the float or housing. Do not use wire brushes, steel wool, or any other abrasive materials to clean the float or housing.

If the LED light indicator is illuminated and the HVAC system will not turn on, try the following:

- Check and confirm that water is flowing freely through the drain line. Clear any clogs.
- Remove the switch assembly and confirm that the float moves freely inside the housing. If algae growth has blocked the movement of the float, clean it with a brush using a mild solution of water and dish soap.
- Press down on the "Pull To Test" lever to ensure that it is flush with the housing.

The CS-2 has an industry leading 3 year warranty. Visit our website for full warranty information: asurityhvacr.com

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