Asurity

Installation Instructions

Universal Alarm
UA-1

DESCRIPTION

The Universal Alarm may be connected to existing 24VAC control circuits to indicate possible system trouble. The Universal Alarm may be connected across normally closed switches such as those found in condensate pumps and condensate overflow switches found in typical residential HVAC systems.

The Universal Alarm may be operated on standby current provided by typical HVAC contractor coils. This allows the alarm to be wired in parallel with existing condensate pump shut off circuits not equipped for alarm contacts.

The alarm is provided with 2 wire nuts, a sheet metal screw, and double sided tape for convenient installation options.

Instructions for wiring normally open switch systems (For the CP-22 or other condensate pumps).

1. Turn off the power to the system.
2. Install the condensate pump per the manufacturer's instructions.
3. Cut the wire between the transformer and the thermostat.
4. Connect the Universal Alarm wires shown in diagram A.
5. Restore power to the system.
6. Test the alarm by manually causing the pump to go into alarm condition.

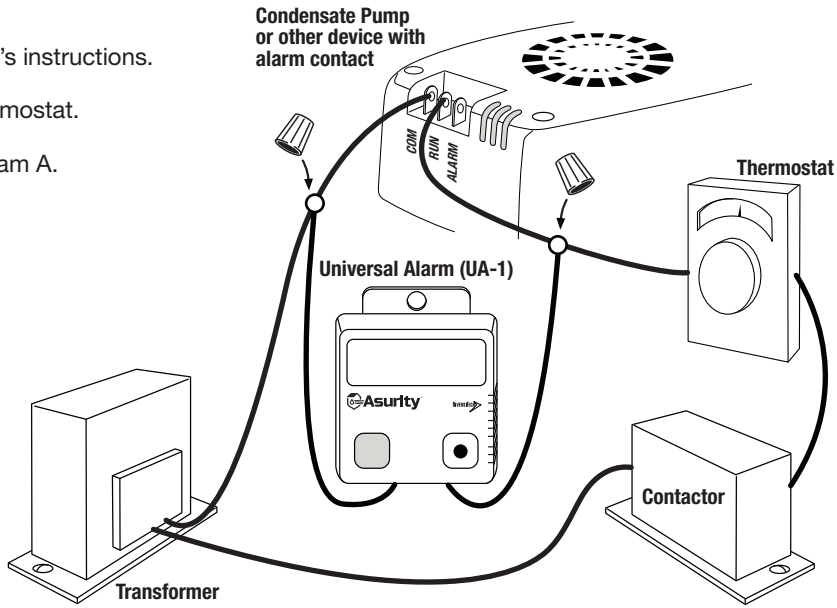
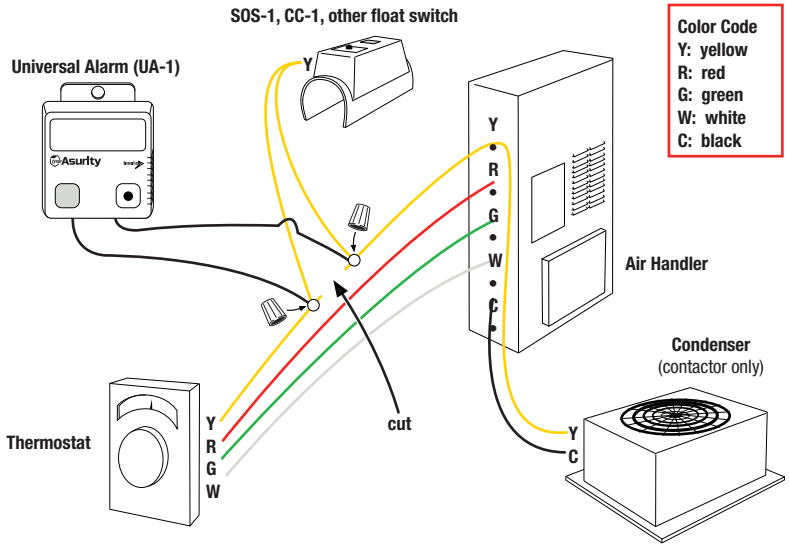


Diagram A

Instructions for wiring normally closed 2 wire float switch systems (For CC-1, SOS-1 or other 2 wire float switches).

1. Turn off the power to the system.
2. Install the float switch per the manufacturer's instructions.
3. Connect each Universal Alarm wire to each junction point where the float switch is already connected as shown in diagram B.
4. Restore power to the system.
5. Test the alarm by manually actuating the float switch.

Diagram B



Instructions for wiring normally closed 5 wire float switch systems (For WS-1 or other 5 wire float switches).

1. Turn off the power to the system.
2. Connect one wire of the Universal Alarm to the red wire junction as shown in diagram C.
3. Connect the other wire of the Universal Alarm to the white wire of the float switch as shown in diagram C.
4. Restore power to the system.
5. Test the alarm by manually actuating the float switch.

Diagram C

