

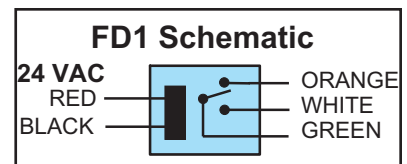
FD1 Flood Detector with Audible Alarm

The FD1 Flood Detector is a solid state device designed to detect the presence of condensate water overflow. Upon sensing moisture, the FD1's audible alarm will sound, and will turn the system off to help prevent damage to carpets, walls, woodwork, ceilings and other property. The area to be monitored can be enlarged by connecting one or more FD1 Flood Detectors in series. The FD1 also provides isolated relay contacts, which add flexibility to installations with electronic control boards where breaking one lead from the transformer is not possible.

INSTALLATION

1. Turn off power to the system.
2. Place the FD1 Flood Detector with the padded side down on the surface to be monitored.
3. Route the cable from the Wet Switch to cooling control voltage transformer as shown in the wiring diagram. Wire can be extended.
4. Cut the 24VAC (normally red) and common (normally black) wire between the transformer and the thermostat, circuit board, or electronic controls.
5. Connect the black wire from FD1 to the common wire that was cut from the transformer in step 4.
6. Connect green wire from FD1 to common wire that was cut from transformer in step 4.
7. Connect red wire from FD1 to 24 VAC of transformer.
8. Connect orange wire to the common wire that was cut going to the system.
White wire connects to (turns on) an optional external device (such as a remote alarm).
9. Restore power to the system.
10. Press test button to assure proper function of the FD1 Flood Detector.

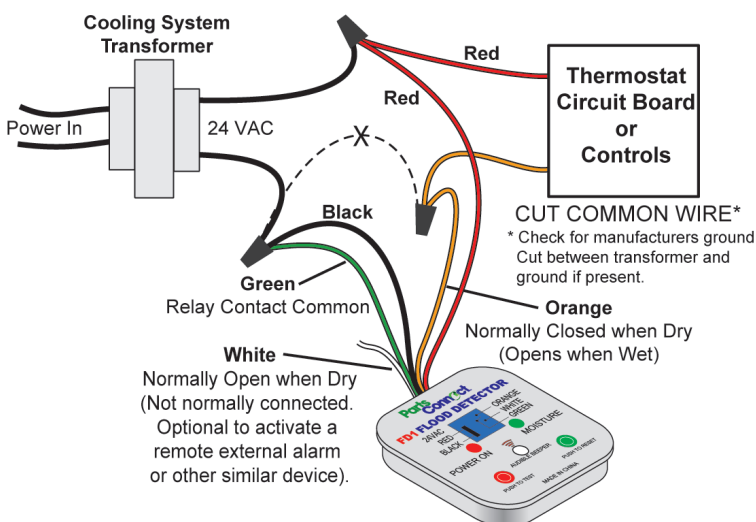
NOTE: Red light (LED) on the FD1 Flood Detector will light, and the internal audible beeper alarm will sound, if the control is tripped by the presence of water, and remain lit even after water has dried up.



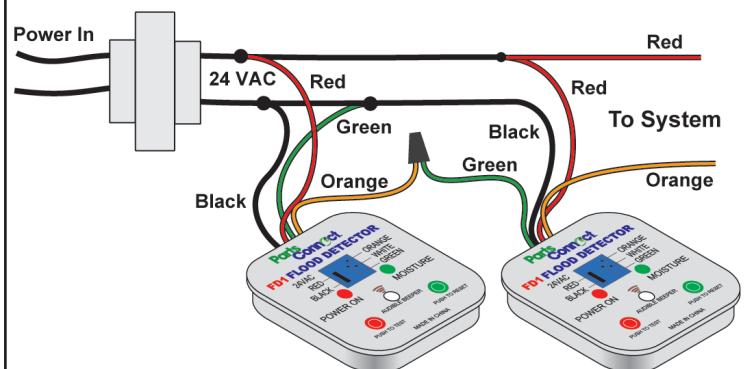
TO RESET

- Solve water leak problem.
- Wipe up any standing water around the FD1 Flood Detector.
- Remove the wet pad from the FD1 by pressing the trigger located at the bottom ring. Replace it with a new dry pad (to re-use, dry the wet pad with a hair-dryer set on low). Re-install the pad.
- When the FD1 Flood Detector is dry, press reset button. The red LED moisture light will be off and the system will run. If the red moisture light comes back on, the pad is not dry.

Typical Connection



Connection showing two or more FD1 Flood Detectors in series



The drawing shows the contacts interrupting the 24 VAC signal when either FD1 Flood Detector gets wet.