



FEATURES

- Form "C" relay outputs
- Encapsulated electronics
- Self-contained system
- Simple installation
- Control and shutdown capabilities



GENERAL

The DiT's DD1 is a water point detector, featuring gold-plated probes and microchip technology for the highest level of water detection confidence. The DD1 can be operated from 12-25 Volts AC or DC. Alarm and control signaling is provided with form "C" relay contacts. The DD1 can be connected to any of DiT's monitoring systems to complete the monitoring package. The DD1 can also be used as a stand-alone controller for cooling or water flow shutdown.

OPERATION

Monitoring

The DD1 can be used with any "contact-closure" monitoring panel. The "dry" contact points may be wired normally open or normally closed, allowing wiring flexibility to handle most installations. DD1-S contacts operate reverse of the DD1's.

Control

Air Conditioning

The DD1 relay contacts can be used to inhibit cooling when a high water level in a drain pan is detected. This will prevent water damage to the ceiling or flooring due to a clogged condensate drain.

Water Heaters

The DD1 relay contacts can be used to close an electric solenoid when a water heater is dripping into an emergency drain pan. This will prevent serious water damage to the building should the emergency drain pan become clogged.

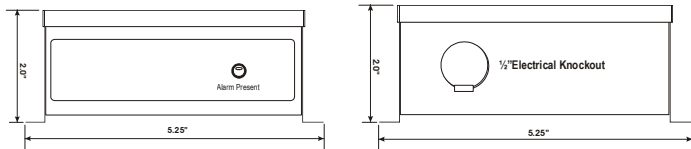
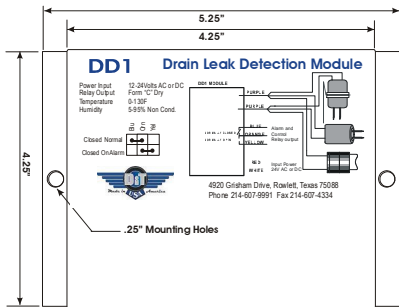
MOUNTING

The DD1 sensing-probe, clips to the drain pan using a galvanized mounting bracket. The sensing probe is adjustable for maintaining the proper water level. The control module can be mounted on any flat, smooth surface using the mounting holes in the module feet.

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Dimensions



Evaporator Coils

The sensing probe can be installed
In the overflow coupling on the evaporator coil.

Installation

1. Mount the sensing probe in a suitable location in the drain pan or in the overflow fitting of the evaporator coil.
2. Adjust the sensing height of the probe by using the "jam nuts " to raise or lower the gold probes to the proper level.
3. Use sheet metal screws to mount the electronic module in a convenient location for wiring.
4. Connect the purple sensing wires to the purple wires in the module.
5. Connect the alarm contacts to the remote alarm system or to the shut down device. For normally open operations use the ORANGE and BLUE wires.
6. Connect the RED and WHITE wires at module to a low voltage 12-24 Volt AC or DC power (Note the polarity of the power wires when using a DC source).
7. To test the DD1, use a wet sponge to short the gold sensing probes. The relay contacts should activate in an alarm condition.

SPECIFICATIONS

Model Number

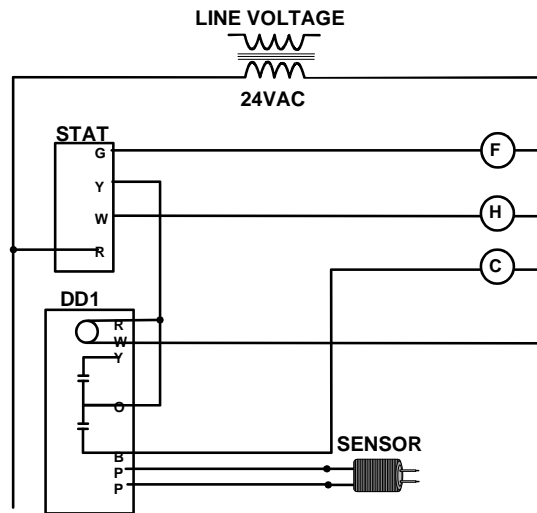
DD1 Standard Detector
Galvanized Steel Box

Electrical

Power Input 12-24 Volts AC or DC/50mA
Alarm Out Form "C" Relay Contacts
Rating 1AMP @ 120VAC

Environmental

Temperature 0-125 Degrees F
Humidity 5-95% Rh Noncondensing



WIRING

The unit requires 12-24 Volts DC or AC power. The remote sensing probe requires 12 – 18 gauge wires. Electrical knock-outs (1/2") are provided for electrical connection.

