



RS-096

- BY -

RDT
RELIANCE
DETECTION TECHNOLOGIES



Water Leak Detection / HVAC & AC Condensate Pan Overflow Alarm

Congratulations on your purchase of a FloodMaster RS-096 plumbing leak detection and HVAC/AC condensate pan overflow alarm from Reliance Detection Technologies. This product is designed to alert you if a leak or near overflow condition is detected.

To ensure proper installation and to maximize the performance of your RS-096 water leak detection system, please read this manual thoroughly before installing or operating the system.

NOTE: *This installation and operating manual contains important information about the operation of the RS-096 system. If this system is being installed for use by a different user, please be sure a copy of this manual is left with the system for future reference.*

www.RelianceDetection.com

Toll-Free: 888-771-4929

RS-096 System Components (included in kit):

1 – Receiver box

1 – Water sensor with 8' lead wire

1 – Power supply with 12' lead wire

1 – Metal plate for sensor placement

INSTALLATION INSTRUCTIONS

1. Mount the receiver box in the desired location using supplied two-sided tape.
2. Plug the transformer into a 120V AC wall outlet. The green "Power" on/off indicator light on the receiver box will turn on.
3. The receiver connector comes prewired with basic connections to the power supply and the sensor. Using an appropriate screwdriver, make any additional desired electrical connections for output contacts or additional sensors per Figure 1. (*Note: additional sensors can be connected to either 6 & 7 or 8 & 9, as wiring space allows.*) Then snap the terminal wiring block into the receiver housing at the mating slot provided.
4. Place the sensor(s) where leaking water is most likely to first accumulate (such as the base of a washing machine, hot water heater, under sink, etc.), or in an HVAC/AC condensate pan to monitor for potential overflow.

The sensor is magnetic and can be installed horizontally or vertically in conjunction with the metal plate – see Figure 2. Install the sensor flush to the floor for immediate alarm or at the desired overflow alarm level.

- Clean the desired location area to ensure the surface is clean for optimum plate adhesion.
- Peel the backing off the metal plate to reveal the adhesive and stick in place.
- Place the sensor on the plate at the desired height, allowing the magnets to secure it in place.

Note: The sensor features a through-hole that can be used to screw it onto a surface if a more permanent installation is desired or necessary.

5. Function Test the system as follows:

- Place the sensor on a wet paper towel. The audible alarm will sound.
- Remove the sensor from the paper towel, dry the contact points, and place it back in the desired location on the metal plate.
- If necessary, press and release the "Reset" button on the receiver to reset the system's NO/NC dry contact outputs.

OPTIONAL FEATURES AND CONNECTIONS:

See Figure 1 for wiring diagram.

Additional Water Sensors – For applications where a wider area of leak detection coverage is desired, additional sensors can be added to the system. Wire additional sensors to terminal strip pins 6 & 7 or 8 & 9. Additional sensors are sold separately; custom wire lengths available.

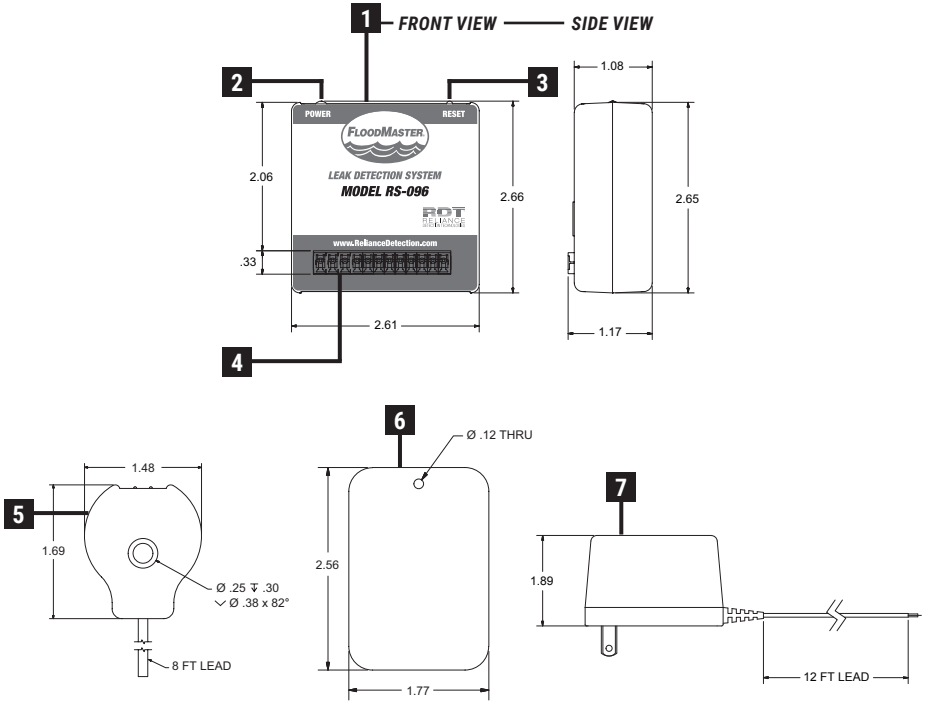
Security Panel Connection – Use for applications where connection to a home security system or control panel is desired, or to turn off an HVAC unit to prevent further water accumulation in the pan. Control of such a device may require an appropriate relay (not included).

This dry contact relay signal can be wired per your application requirements as follows:

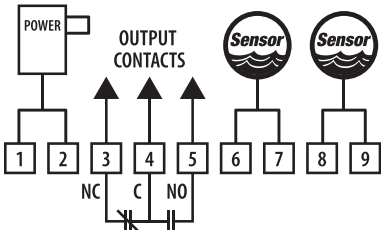
Normally Closed Circuit – Terminal Pins 3 & 4 Normally Open Circuit – Terminal Pins 4 & 5
Press and release the "Reset" button after alarm to reset the signal.

RS-096 WATER ALARM KIT

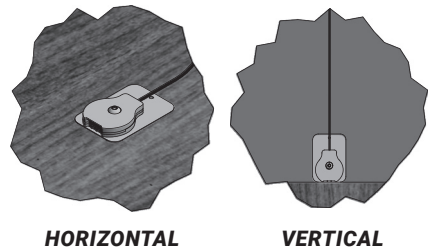
1. Receiver box
2. Power LED
3. Reset button
4. Wiring terminal block mating slot
5. Water sensor
6. Metal plate
7. Power transformer



**FIGURE 1 –
WIRING DIAGRAM**



**FIGURE 2 –
SENSOR INSTALLATION OPTIONS**



OPERATION & SYSTEM RESET

In the event the system activates, locate the source of the leak or near overflow, remove the sensor from the water and dry the metal contacts. Correct the problem and replace the sensor in the desired leak detection location. If necessary, press and release the "Reset" button on the receiver to reset the system's NO/NC dry contact outputs.

MAINTENANCE

Exercise (press and release) the "Reset" button on the receiver box annually to ensure correct operation and to maintain product warranty status.



Warning: For indoor use only.

NEED INSTALLATION OR SETUP ASSISTANCE?

Call toll-free: 888-771-4929

www.RelianceDetection.com/support/RS-096



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