



# TECHNICAL SUBMITTAL DATA SHEET

## Water Leak Detection / HVAC & AC Condensate Pan Overflow Alarm

Job Name: _____	Job Location: _____
Engineer: _____	Engineer Approval: _____
Contractor: _____	Contractor Approval: _____
Contractor P.O.: _____	Representative: _____

### MODEL RS-096

#### TYPICAL INSTALLATIONS INCLUDE:

- Air conditioners and HVAC systems
- Water chillers (rooftop or inside the structure)
- Drains and pipes that are prone to leaking or freezing
- Water-fed appliances such as dishwashers, washing machines and water heaters
- Sump pumps, tubs and sinks

#### HIGHLY RECOMMENDED FOR:

- Commercial office buildings
- Multi-residential complexes
- Above/near data processing rooms
- Medical facilities and labs
- Facilities with a history of insurance claims for water damage

#### FEATURES:

- Reusable and testable
- Adjustable sensor height and orientation
- N/O and N/C dry contacts
- Audible alarm (83 dB)
- Plugs into a standard 120V AC outlet
- Factory prewired

#### MODIFIED KIT CONFIGURATIONS:

**RS-096-MK6 Plenum-Rated Kit –**  
Features plenum-rated wires and step-down transformer (120, 208, 240V AC to 24V AC) with mounting plate in lieu of standard wall wart. Please see the RS-096-MK6 installation manual for detailed installation instructions.



#### APPLICATION CONSIDERATIONS:

The RS-096 system is designed to detect and notify you of leaks from water-fed appliances, plumbing fixtures and tanks/containers. It can also be used to prevent water damage caused by overflowing air conditioning, HVAC, HAVCR and water chiller condensate pans.

A peel-and-stick metal plate allows for leak detection sensor installation anywhere – horizontally or vertically – and embedded magnets ensure that the sensor remains in position. Install the sensor flush to the floor for immediate alarm or at the desired overflow alarm level. When it comes in contact with any non-flammable conductive liquid, an alarm sounds.

Optional dry contacts (NO/C/NC) can be used for fault notification to an existing security panel or BMS. The system can also be wired through an appropriate relay (not included) to turn off the HVAC unit to prevent further water accumulation in the pan.

#### INSTALLATION OVERVIEW:

The receiver box plugs into a standard 120V AC wall outlet. The water sensor is placed in an area where water is likely to accumulate. Up to 5 additional sensors can be added for a wider area of leak detection. Components come prewired.

The system can be performance tested anytime. It is resettable via reset button on the receiver box.



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# RS-096 TECHNICAL SUBMITTAL DATA SHEET

## ORDERING INFORMATION:

Valve Size	P/N	UPC
N/A	RS-096	85764000342

## OPERATING SPECIFICATIONS:

### Receiver Box

Transformer .....	120V AC
Voltage .....	24V AC
Absorbed Current .....	0.6 A
Absorbed Power .....	15V A
Frequency .....	50/60 Hz
Working Temp. ....	0° to 100°F
Square Drive.....	0.43
Audible Alarm .....	83 dB

## MATERIALS:

### Receiver Box & Sensor

Body .....	High-performance engineered polymer
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## CABLE LENGTHS:

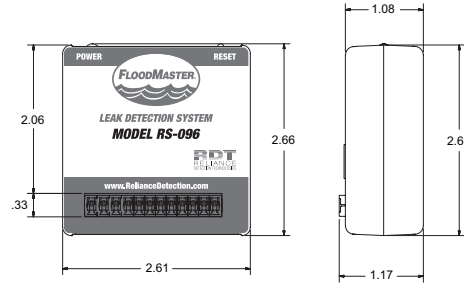
Power Cord .....	12'
Sensor Cable.....	8' (custom lengths avail.)

## APPROVALS:

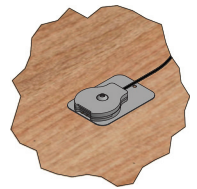
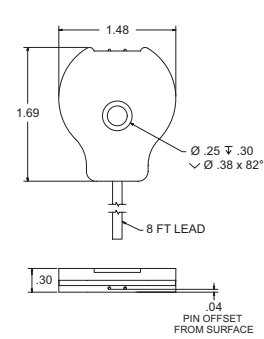
MA Board of Registration of Plumbers  
Approval – Code # P3-0818-66.

## DIMENSIONS:

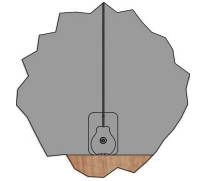
### Receiver Box



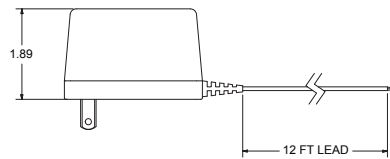
### Water Sensor



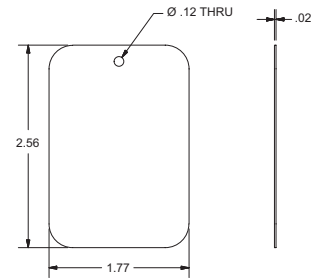
HORIZONTAL  
INSTALL OPTIONS  
VERTICAL



### Power Supply – 24V AC Wall Wart



### Metal Plate



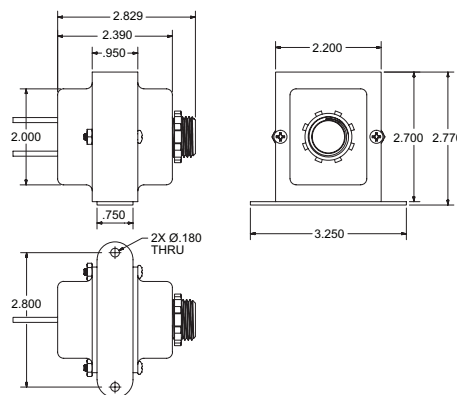
## AVAILABLE ACCESSORIES:

- **Wired Water Sensors** – Up to 5 additional sensors can be wired to a single receiver box for multi-unit monitoring, with 8', 25', 50' and 100' cable lengths available. P/N RSA-101-008; -025; -050; -100
- **Sensing Rope Kit** – Ideal for use with low tanks, or for room perimeter and sub-floor leak detection applications. P/N RSA-175-810
- **Auto Dialer** – Receive automatic phone alerts whenever the system identifies a fault condition. P/N RSA-600-003

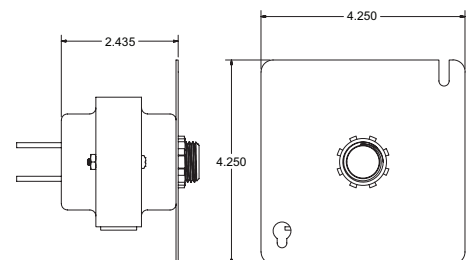
## RS-096-MK6 MODIFIED KIT:

Modified kit RS-096-MK6 includes plenum-rated wires and a step-down transformer (120, 208, 240V AC to 24V AC) with mounting plate in lieu of the standard plug-in wall wart.

### Step-Down Transformer



### Mounting Plate



RDT recommends that installations be completed by a licensed plumber to ensure that all local code requirements are followed.



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