



# TECHNICAL SUBMITTAL DATA SHEET

## Water Leak Detection & Alarm System

Job Name: \_\_\_\_\_

Job Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

Engineer Approval: \_\_\_\_\_

Contractor: \_\_\_\_\_

Contractor Approval: \_\_\_\_\_

Contractor P.O.: \_\_\_\_\_

Representative: \_\_\_\_\_

### MODEL RS-096

#### TYPICAL INSTALLATIONS INCLUDE:

- Drains and pipes that are prone to leaking or freezing
- Water-fed appliances such as dishwashers, washing machines and water heaters
- Sump pumps
- Tubs
- Table-top containers and beakers
- Sinks

#### HIGHLY RECOMMENDED FOR:

- Commercial buildings
- Basements
- Above/near data processing rooms
- Medical facilities and labs
- Any facility with a history of insurance claims for water damage

#### FEATURES:

- Reusable and testable
- Easy reset button
- Plugs into a standard 120V AC outlet
- Audible alarm (83 dB)
- N/O and N/C dry contacts
- Factory pre-wired

#### 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 alarm system is designed to detect and notify you of leaks from water-fed appliances, plumbing fixtures and tanks/containers. When the water sensor comes in contact with just 1/16" of any non-flammable conductive liquid (such as water), an alarm sounds. Optional dry contact connections (NO/C/NC) can also be used for fault notification to existing security panel or BMS.

#### INSTALLATION OVERVIEW:

The receiver box plugs into a standard 120V AC wall outlet. A 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 pre-wired.

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

# 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

## CABLE LENGTHS:

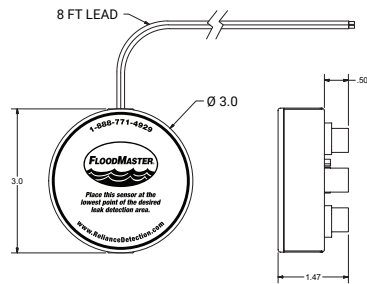
Power Cord ..... 12'  
 Sensor Cable ..... 8' (custom lengths avail.)

## APPROVALS:

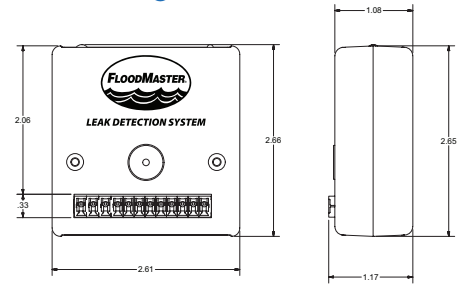
MA Board of Registration of Plumbers  
 Approval – Code # P3-0818-66.

## DIMENSIONS & WEIGHTS:

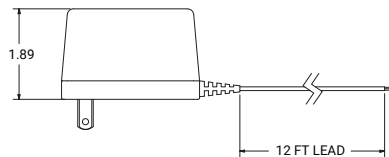
### Water Sensor ➕



### Receiver Box ➕



### Power Supply – 24V AC Wall Wart ➕



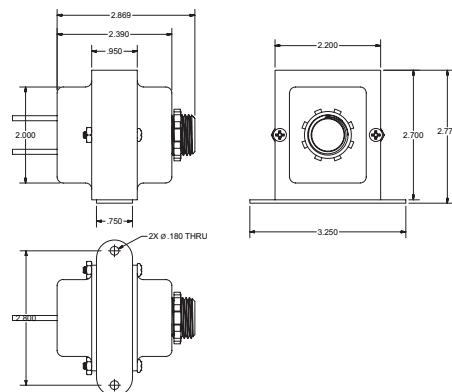
## AVAILABLE ACCESSORIES:

- **Wired Sensor Pucks** – 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-100-008; -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

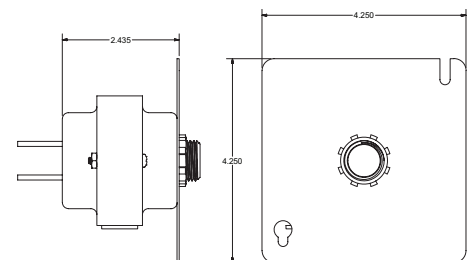
## RS-096-MK6 MODIFIED KIT:

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.



**Reliance Detection Technologies, LLC**  
 27 Business Park Drive  
 Branford, CT 06405

203-488-2684 or 888-771-4929  
 info@RelianceDetection.com  
[www.RelianceDetection.com](http://www.RelianceDetection.com)