



# Moisture Detector

5500 Series

### Overview

The 5500 Series moisture detector is designed to respond to the presence of water and other nonflammable conductive liquids. The sensor units can be surface-mounted or floor-mounted beneath carpet for detection of increased moisture levels in basements and bathrooms, and leakage in air conditioning and sprinkler systems. The moisture detectors work with the 5501 Moisture Processor. Simply push the processor's test switch to simulate the presence of water and verify proper operation. The processor accommodates up to four detectors and comes with two internal lithium batteries for long-life.

### Architectural and Engineering Specifications

The 5501 moisture processor may be used with any closed loop control, dialer, or wireless transmitter input circuit. The output is a solid state switch that is normally at  $10\Omega$ , then increases to  $1\text{ M}\Omega$  when triggered.

The 5501 processor comes with internal lithium batteries that have an anticipated life of 10 to 15 years. A test switch is provided that simulates the presence of water and will, when pressed for a period of 15 seconds, activate the processor output to the normal closed state. The processor offers flexibility in mounting with no need for an external power source and minimal wiring required.

Sensors include the Model 5515 surface mount unit and Model 5505 under-carpet sensor. Any combination of up to four (4) sensors may be used with the Model 5501 moisture processor.



### Standard Features

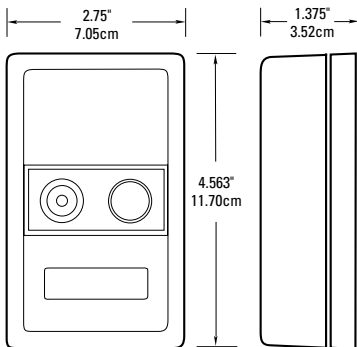
- **Detects presence of water**
- **Ideal for basement and ceiling applications**
- **Easy installation**
- **No external power required**
- **End-user test certifies sensor operation**

# Moisture Detector

5500 Series

## Dimensions

### 5501 Moisture Processor



## Specifications

### Loop Type

### Battery Type

### Battery life

### "On" time

### Test button

### LED

### Trigger resistance

### Sensor isolation from ground

### Sensing circuit

### Cable length

### Loop resistance

### Operating temperature

### Number of sensors per control

Closed

Lithium

Approximately 10 to 15 years

10 seconds delay, then on as long as wet

Simulates moisture for test

Flashes every 2 seconds on alarm

500 k $\Omega$

Photo coupled

AC to eliminate electrolysis (1Hz)

100' maximum

10  $\Omega$  maximum (non-alarm)

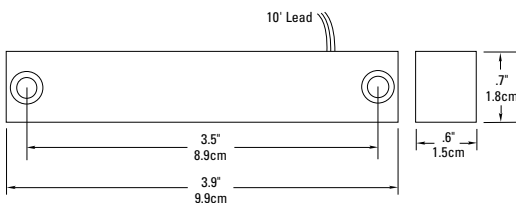
1 M $\Omega$  minimum (alarm)

Control 0°F — 125°F

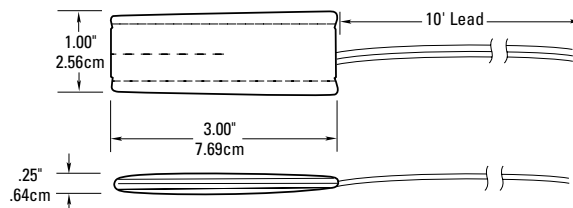
Sensor 33°F — 180°F

4 maximum

### 5515 Surface Mount Sensor



### 5505 Under-Carpet Sensor (Absorbant Fabric)



## Ordering Information

Model	Description	Loop Type	Color	Lead
5501	Moisture Processor	Closed	Mahogany brown	Terminal
5505	Under-Carpet Sensor	Closed	Natural	10'
5515	Surface Mount Sensor	Closed	Grey	10'



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