



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 10Ω , 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

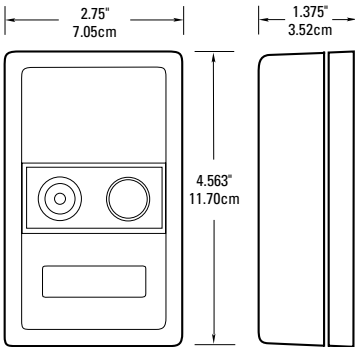
- **Detects presence of water**
- **Ideal for basement and ceiling applications**
- **Easy installation**
- **No external power required**
- **End-user test certifies sensor operation**

Moisture Detector

5500 Series

Dimensions

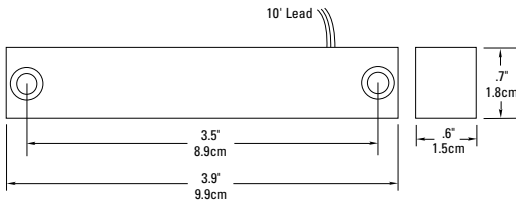
5501 Moisture Processor



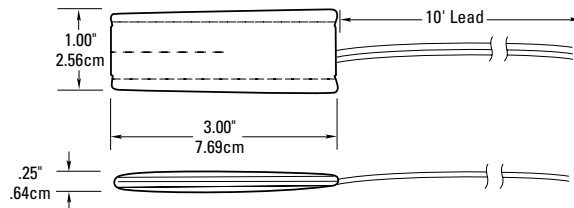
Specifications

Loop Type	Closed
Battery Type	Lithium
Battery life	Approximately 10 to 15 years
"On" time	10 seconds delay, then on as long as wet
Test button	Simulates moisture for test
LED	Flashes every 2 seconds on alarm
Trigger resistance	500 k Ω
Sensor isolation from ground	Photo coupled
Sensing circuit	AC to eliminate electrolysis (1Hz)
Cable length	100' maximum
Loop resistance	10 Ω maximum (non-alarm) 1 M Ω minimum (alarm)
Operating temperature	Control 0°F — 125°F Sensor 33°F — 180°F
Number of sensors per control	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'



GE Interlogix

www.GE-Interlogix.com

12345 SW Leveton Drive
Tualatin, OR 97062
Phone: 503-692-4052
USA & Canada: 800-547-2556
Technical Service: 800-648-7424
Faxback: 800-483-2495

2266 Second Street North
North St. Paul, MN 55109
Phone: 651-777-2690
USA & Canada: 800-777-5484