

**RECTORSEAL**

## CONDENSATE MANAGEMENT SYSTEMS



**On Duty 24/7**

# AquaGuard®



## Goliath



## Titan





**AG-1100+/AG-1200+**

# AG-1100+

## Magnetic Float Switch System for Metal Secondary Drain Pans

The AG-1100+ is incredibly easy to install. It can be mounted to the drain pan in 10 seconds or less. Installation does not require any pre-drilling for screws. The AG-1100+ incorporates a protective cover to keep out insulation and debris that could prevent the float from rising.

### Features:

- High Capacity 5 Amp, 24Volt AC Magnetic Float Switch
- Easy, Drill-Free Installation
- Residential and Commercial Applications
- Pull Up Test Knob
- Protective Housing Keeps Out Insulation, Pests, and Debris
- Normally Open 3rd Wire for Optional External Alarm, Digital Controller, or Energy Management System
- US Patent 7,710,283
- UL 508 Approved



Just pull the knob  
up to test.



**Product Code 96100**



**Product Code 96106**



# AG-1200+

## Magnetic Float Switch For Metal & Plastic Secondary Drain Pans

The AG-1200+ has all of the features of the 1100+ plus an innovative two-piece clamp design which allows it to be mounted to a metal secondary drain pan (without a lip) or a plastic secondary drain pan (with a lip) in 10 seconds or less, without screws or drilling.

### Features:

- High Capacity 5 Amp, 24Volt AC Magnetic Float Switch
- Easy, Drill-Free Installation
- Residential and Commercial Applications
- Pull Up Test Knob
- Protective Housing Keeps Out Insulation, Pests, and Debris
- Normally Open 3rd Wire for Optional External Alarm, Digital Controller, or Energy Management System
- US Patent 7,710,283
- UL 508 Approved



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# AG-1250E

**NEW and IMPROVED**  
Now with Adjustable Height Mount

## AG-1250E

### MULTIPURPOSE WATER SENSOR

#### METAL/PLASTIC SECONDARY DRAIN PANS

The AG-1250E multipurpose water sensor is mounted directly in a metal or plastic secondary pan, floor or wall. The AG-1250E is a high-amperage, solid state sensor with no moving parts to break down or become clogged. The low profile design makes it easy to install.

### Key Features

- Normally Open 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems
- Switch can be normally open or normally closed
- Versatile mounting options allow positioning on the unit, in a secondary pan, floor or wall
- 5 Amp, 24 Volts AC solid state sensor
- Clip on mounting base for easy cleaning and drying of sensor
- **NEW** adjustable height mount

Product Code 96108

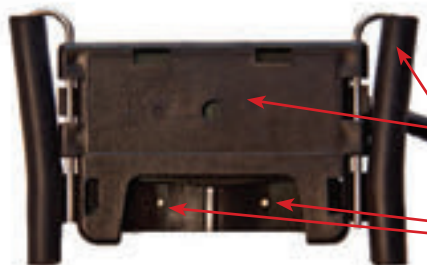


#### PRODUCT SPECS

- UL 508 Approved
- Normally Open or Closed
- Voltage Rating: 24 VAC, 5 Amp



Metal Contacts



Can be mounted with double sided tape, adjustable height clip or screw.

Proprietary design sensors can detect as little as 1/16" of water.



#### LESS SENSITIVITY



#### HIGHER SENSITIVITY



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**RECTORSEAL**

US Patent 8,578,770





**AG-2550E**

# AG-2550E

## INLINE WATER SENSOR FOR PRIMARY DRAIN LINE AND SECONDARY DRAIN PAN

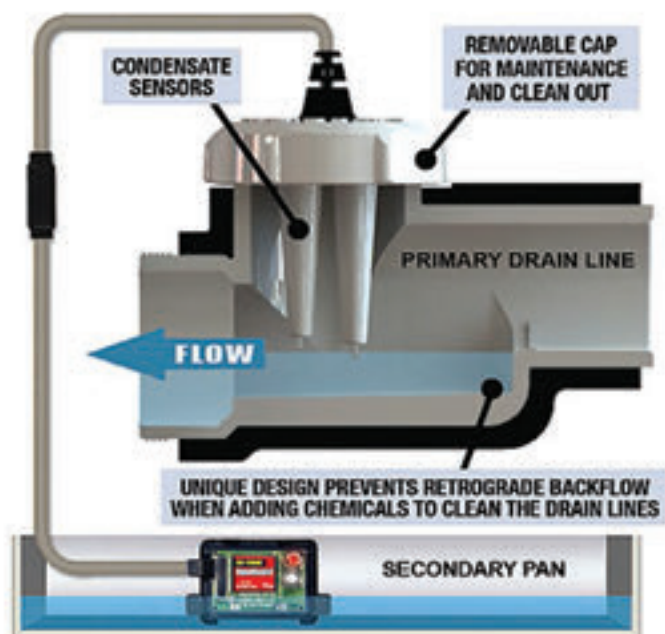
The AG-2550E electronic water sensor is designed for use on the primary drain line and is integrated with an access port for clearing and removing clog causing debris. The water sensor has no moving parts and the unique design of the insulated housing allows the application of chemicals to clean the drain without any worry of retrograde backflow into your HVAC unit.

**2 Sensors**  
for the Price of **1**



### Key Features

- Electronic In-Line Water Sensor and Insulated Access Port for Primary Drain Lines.
- Unobstructed 3/4 Inch Flow-Switch does not Impede Drainage.
- Integrated Easy Access Port for Cleaning Out Drain Lines and Adding Chemicals.
- Bonus Secondary Sensor with Water Detection LED Light for secondary drain pans– 2 SENSORS, ONE PRICE.
- Normally Open 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems.



US Patent 8,154,313 & 8,578,770



**HORIZONTAL  
INSTALLATION**



**VERTICAL INSTALLATION**



**Product Code 96110**

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# NEW

## Professionals #1 Choice



On Duty 24/7

# AquaGuard®

## AG-3125E

• Indicator Light for easy troubleshooting

# AG-3125E ONE PRIMARY PAN CONDENSATE SENSOR

The AG-3125E primary pan sensor is mounted directly in the auxiliary drain port of the primary pan. The AG-3125E is a high-amperage(5Amp), solid state sensor with no moving parts to break down or become clogged.

## Key Features

- Voltage Rating: 24 VAC, 5 Amp
- UL 508 Approved
- Time Delay
- Water Detection LED
- New Quick Pull Adhesive Tape



IND. CONT. EQ.  
25XE  
UL 508

## Available in:

**3 Pack**  
Product Code  
96121

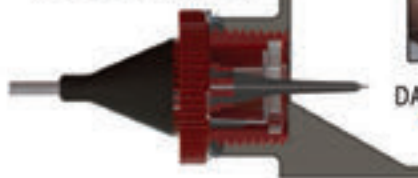
**Single**  
Product Code  
96120



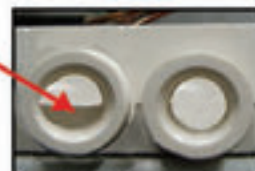
**6 Pack**  
Product Code  
96122

### Option 1

More sensitive with dam



DAM



### Option 2

Less sensitive alternate installation using enclosed adapter



US Patent 8,151,580; 8,154,313; 8,561,417 & 8,578,770

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## RECTORSEAL



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# AquaGuard®

**AG-3150E**

**AG-3175E**  
Plenum Rated

## AG-3150E & AG-3175E Plenum Rated Primary Pan Sensors with Time Delay

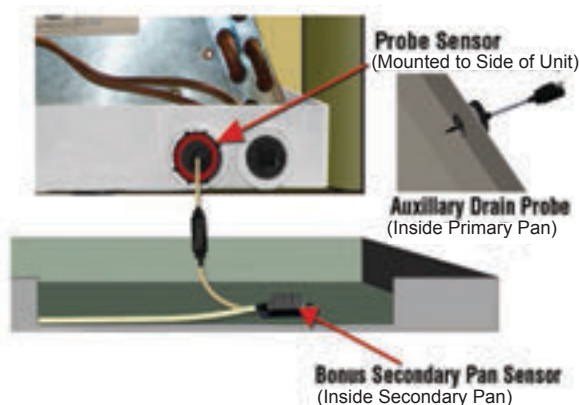
The AquaGuard AG-3150E/AG-3175E's primary pan sensor is mounted directly in the auxiliary drain port of the primary drain pan. The **bonus secondary sensor** can be installed either vertically or horizontally and features a water detection LED.

For a vertical application, the **bonus secondary sensor** can be mounted on the side of the unit. For a horizontal application, the **bonus secondary sensor** can be installed directly in the metal or plastic secondary drain pan, which allows both sensors to continuously monitor any condensate overflow in both the primary and secondary drain pans – **two sensors in one**. If any condensate overflow is detected in either drain pan, the sensor(s) will automatically shut off the system and activate an optional alarm.

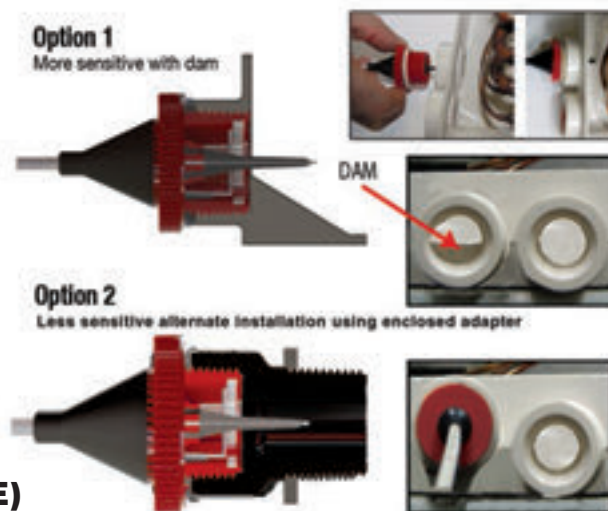


**2 SENSORS IN 1**  
**NOW WITH TIME DELAY**

- Patent Pending Smart Sensor Technology with Time Delay
- Redesigned Probe Sensor for Increased Reliability
- Bonus Secondary Sensor – Two Sensors for the Price of One
- 6 Feet of Both Probe & Sensor Wire (AG-3175E Plenum Rated Probe & Sensor Wire)
- 5 Amp, 24 Volts AC Solid State Sensor with Water Detection LED
- Switch Can Be Normally Open or Normally Closed
- Compact Waterproof Design
- Normally Open 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems



**Product Code**  
**96124 (AG3150E)**  
**96126 (AG3175E)**



US Patents 8,151,580; 8,154,313; 8,561,417; 8,561,417; 8,578,770

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New  
Code  
Compliant

PLENUM RATED



On Duty 24/7

**AquaGuard®**

**AG-3180E**

# AG-3180E

## Plenum Rated MICRO PAN SENSOR PLUS BONUS SECONDARY SENSOR

**IDEAL FOR COMMERCIAL PACKAGE UNITS,  
METAL/PLASTIC SECONDARY DRAIN PANS  
& PRIMARY PAN WITH TIME DELAY**

The AquaGuard AG-3180E micro-electronic condensate sensor is mounted directly in the primary drain pan. The bonus secondary sensor features water detection LED and easily installs in the metal or plastic secondary drain pan.

Both sensors continuously monitor any condensate overflow in the primary and secondary drain pans and automatically shut off the system and activate an alarm if any overflow is detected.

### Key Features

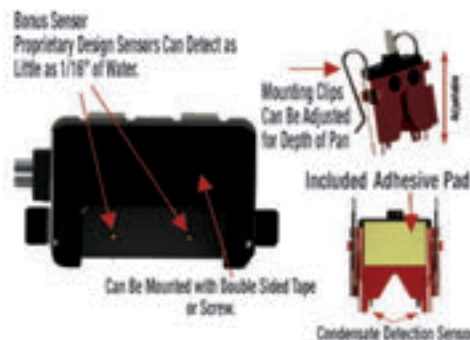
- Micro Pan Sensor Plus Bonus Secondary Sensor with Water Detection LED
- Meets International Building Codes & Primary Pan Code Requirements
- Now with Time Delay: Up to 60 Seconds On
- 6 Feet of Both Plenum Rated Probe and Sensor Wire
- 5 Amp, 24 VAC Solid State Sensor with Patent Pending Smart SensorTechnology
- Switch Can Be Normally Open or Normally Closed
- Normally Open 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems
- UL 508 Approved



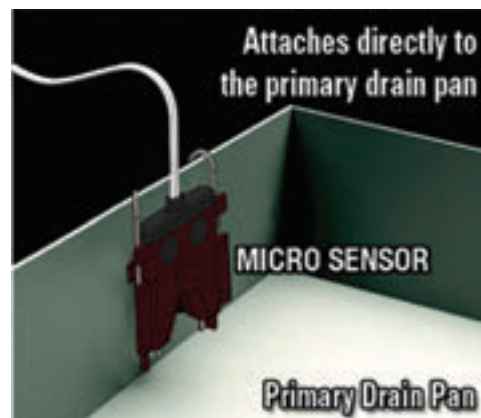
**International Mechanical Code 307.2.3.1:** "On downflow units and all other coils that do not have a secondary drain or provisions to install a secondary or auxiliary drain pan, a water-level monitoring device shall be installed inside the primary drain pan. This device shall shut off the equipment served in the event that the primary drain becomes restricted. Devices installed in the drain line shall not be permitted."



**2 SENSORS IN 1  
NOW WITH TIME DELAY**



**Product Code 96128**



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US Patent 7,744,395; 8,151,580; 8,151,621; 8,154,313; 8,169,314; 8,561,417; 8,578,770



**AG-3575E**

# AG-3575E

## COMPLETE ALL-IN-ONE CONDENSATE MANAGEMENT SYSTEM

The AquaGuard AG-3575E is the all-in-one solution for a complete and professional HVAC installation. Given the multiple installation options, the AG-3575E is the perfect solution for commercial or self-contained package units, primary pans and metal or plastic secondary drain pans.



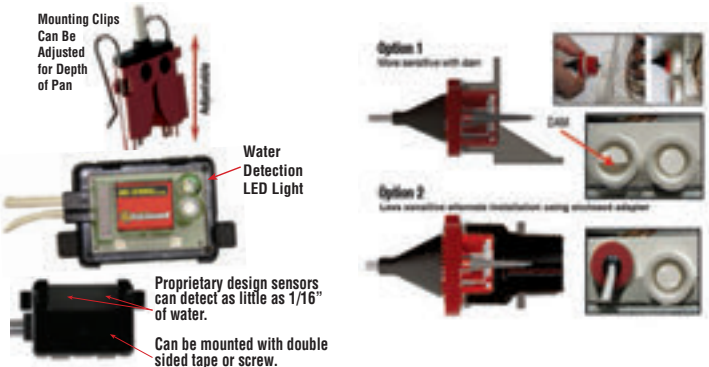
### The AG-3575E includes 3 sensors:

- Inline electronic water sensor for Primary Drain line
- Primary pan sensor (Clip-on or Probe)
- Secondary drain pan sensor

## Key Features

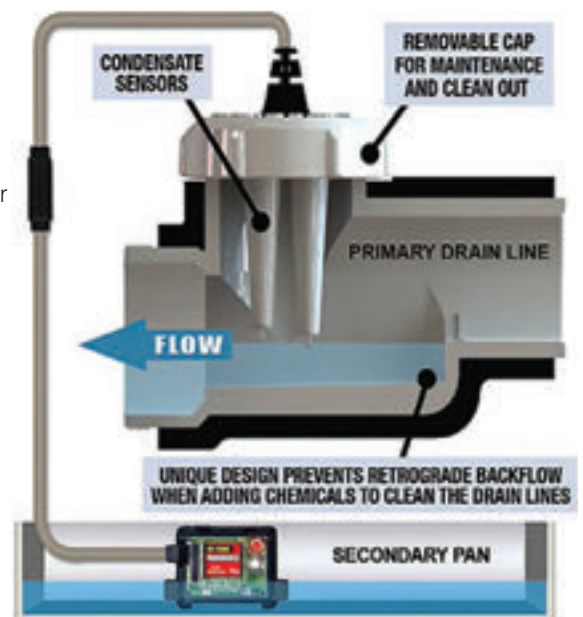
- High amperage rating: 5 AMPS, 24VAC
- 3 Sensors: Primary drain line sensor, Primary pan sensor, Secondary pan sensor
- Meets both International Building codes and Primary pan code requirements
- Total of 18 ft of plenum-rated control and sensor wire
- Bright water detection LED Indicator light for easy diagnostic
- PVC fittings that allow for vertical/horizontal installation
- UL 508 Listed

### AG-3176



US Patent 8,154,313 & 8,578,770

### AG-2550E



**Product Code 96130**



E-14



# NEW

Professionals #1 Choice

AG-4200E



On Duty 24/7

# AquaGuard®

## AG-4200E PRIMARY PAN SENSOR

New Electronic Multipurpose Condensate Overflow Sensor

We've combined the proven water sensing technology of the AG-1250E with our industry leading Goliath and Titan drain pan line to deliver the ultimate condensate management system.

The AG-4200E is the complete condensate management system for Goliath, Goliath Furnace, Goliath Value Series and Titan Drain Pans.



Includes Vibration Isolators

### Key Features

- 3/4" PVC threaded male pipe adapter
- 24 VAC, 5 Amp
- 1/4 inch Trigger Depth
- Smart Sensor Technology
- Time Delay: Up to 60 Seconds On
- Controls Normally Open or Normally Closed
- 6' of Standard Control Wire
- Compact Waterproof Design
- Water Detection LED
- 4th Wire for Alarm
- UL 508 Approved

**Product Code 96143**  
US Patent 8,578,770; 8,317,169

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# NEW

Professionals #1 Choice

AG-4250E



On Duty 24/7

# AquaGuard®

## AG-4250E PRIMARY and SECONDARY PAN CONDENSATE SENSOR

We've combined the proven water sensing technology of the AG-3150E with our industry leading drain pans to deliver the ultimate condensate management system. Providing the security of **TWO** sensors and the durability of our drain pans.

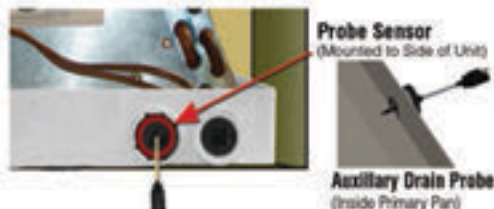
The AG-4250E is the complete condensate management system for Goliath, Goliath Furnace, Goliath Value, and Titan Flexible Series Secondary Drain Pans.



Includes Vibration Isolators

### Key Features

- 2 Sensors - Primary and Secondary Pans
- 24 VAC, 5 Amp
- 1/4 inch Trigger Depth
- Smart Sensor Technology (Patent Pending)
- Time Delay: Up to 60 Seconds On
- Controls Normally Open or Normally Closed
- 6' of Probe Wire
- 6' of Standard Control Wire
- Compact Waterproof Design
- Bonus Secondary Sensor
- Water Detection LED
- 4th Wire for Alarm
- UL 508 Approved



Probe Sensor  
(Mounted to Side of Unit)

Auxiliary Drain Probe  
(Inside Primary Pan)

Product Code 96148

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US Patent 8,578,770; 8,317,169



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**AG-9100**

# **AG-9100**

## **External Audible and Visual Remote Alarm**

**The ONLY Multipurpose Remote Alarm  
Approved For Use With AquaGuard  
Condensate Management Systems**

The AG-9100 Audible & Visual Remote Alarm is connected directly to AquaGuard Condensate Management Systems. When activated, the AG-9100 produces an audible and visual signal.



**Mounts Up To  
250 Ft.  
Away from  
Condensate  
Switch**

### **Key Features**

- Integrated into Most Monitoring Systems (Home Alarm, Water Detection or Condensate Management System, Etc.)
- 12-24 VAC / 6-32 VDC Circuit, No Battery Required
- Loud 103db Audible Alert with On/Off Switch
- Bright White LED Alarm Lights
- Can be Conveniently Mounted to a Wall, Ceiling, or Directly to a Hot Water Tank or HVAC/R Unit with Two Screws or Included Adhesive Pad Over 250 Feet Away from a Condensate Overflow Switch
- Included 12 Inches of Lead Wire

**For use with Aquaguard  
Condensate Management  
Systems**

**AG-1100+**

**AG-1200+**

**AG-1250E**

**AG-2550E**

**AG-3150E**

**AG-3175E**

**AG-3180E**

**AG-3575E**

**AG-4200 Series**

**Product Code 96180**



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**AG-9300**SERIES

# AG-9300 SERIES

## ELECTRONIC CONDENSATE DRAIN SENSOR FOR DUCTLESS MINI-SPLIT SYSTEMS

Each system continuously monitors any condensate overflow in the primary drain pan of any ductless mini-split system, and automatically shuts off the system and activates an alarm if any overflow is detected.

### The AG-9300 Series includes:

**AG-9300-U: (96192)** Universal Drain Sensor for Ductless Mini-Split Systems

**AG-9300-MIT: (96194)** Drain Sensor for Mitsubishi Ductless Mini-Split Systems

**AG-9300-LG: (96196)** Drain Sensor for LG Ductless Mini-Split Systems

**AG-9300-CS: (96198)** Drain Sensor for Comfort Star Ductless Mini-Split Systems



### AG-9300 SERIES FEATURES:

- Universal Model is Compatible with All Major Manufacturers' Ductless Mini-Split Systems Currently on the Market
- Additional Models Available with Exclusive Wire Harness Connectors for Mitsubishi, LG and CS
- Meets International Building Codes
- Long Life Lithium Battery Included (Lasts Up To the Life of the Ductless Mini-Split Unit)
- Up to 20 Second Make/Break Delay with Automatic Reset
- Quick and Easy Installation
- Low Battery Audible Alert
- UL 508 Approved



### ICC CODE 307.2.3.4

"A water-level detection device conforming to UL 508 shall be provided that will shut off the *equipment* served in the event that the primary drain is blocked. The device shall be installed in the primary drain line, the overflow drain line, or in the equipment-supplied drain pan, located at a point higher than the primary drain line connection and below the overflow rim of such pan."

Patent Pending

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On Duty 24/7

# AquaGuard®

## AG-9150E

# AG-9150E

## MULTIPURPOSE WATER SENSOR & ALARM

FOR METAL / PLASTIC SECONDARY DRAIN PANS, ON FLOORS, WALLS & BASEMENT INSTALLATIONS

The AquaGuard AG-9150E is the ultimate condensate management system for any residential or commercial application. The AG-9150E features our award-winning AG-1250E Multipurpose Water Sensor combined with our AG-9100 External Audible and Visual Remote Alarm.



**ALARM**  
Mounts Up To  
**250 Ft.**  
Away from  
Condensate  
Switch

## FEATURES

- External Audible & Visual Remote Alarm with Five Bright White LED Lights
- 103 Decibel Audible Alert that can be mounted over 250 Feet Away
- Versatile Mounting Options
- 5 Amp, 24 Volts AC Solid State Sensor with Water Detection LED Light
- Innovative Mounting Base for Easy Cleaning and Drying of Sensor
- Switch Can Be Normally Open or Normally Closed with Automatic Reset
- 6 Feet of Control Wire Included
- Sensor Features a Compact Waterproof Design
- UL 508 Approved



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**Product Code 96190**

**US Patent 8,578,770**



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# AG-9150E

## Smart Sensor Technology with Automatic Reset

The sensor features patent pending Smart Sensor Technology and includes an automatic reset. Smart Sensor Technology reduces nuisance tripping caused by moisture inside a drain pan and increases the life span of the HVAC/R compressor. The 24 VAC switch can also be set to either normally open or normally closed.

## Included Alarm

The remote alarm has an audible and visual signal and can be installed over 250 away from the water sensor. The loud 103 decibel audible alert can be heard from over 100 feet away. Five (5) bright white LED lights flash and are visible both day and night when the alarm is activated. The alarm is equipped with an on/off switch to silence the audible alarm while keeping the visual alert active.

## Easy Overflow or Water Detection

Upon overflow or water detection, the multipurpose water sensor's bright red LED Light will trigger and activate the remote alarm. With the alarm located in a convenient or highly visible location, there is no need to go up into an attic, on a roof, or down into a basement to check on the status of the HVAC/R unit or location. The water detection LED light and alarm makes troubleshooting and trip detection easy in both well lit and dark locations for any HVAC contractor, business or homeowner.

## Innovative Mounting Bracket

The multipurpose water sensor features an innovative clip on mounting bracket that allows multiple installation options. The mounting bracket can be mounted directly on HVAC/R units, in a metal or plastic secondary drain pan, on floors or even on a wall and elevates the sensors eliminating false tripping.

## Dries Easily

The innovative mounting bracket also allows water to easily reach the sensors and eliminates the need for a hard-to-dry hydrophilic pad. The sensor can also be quickly and easily removed from the bracket for easy cleaning.

## Compact Design

The AG-9150E sensor measures less than 1.4 inches x 2.0 inches (36mm x 50mm) for complete condensate management in any tight space and includes 6 feet of control wire.

## Solid State Electronics

The multipurpose water sensor is a dependable solid state sensor, which can be completely submerged in water and contains no moving parts that could become clogged like a mechanical float switch.

## High 5 Amp Capacity

With a high 5 amperage capacity, the AG-9150E's multipurpose sensor's state-of-the-art electronics are surge protected from the various electrical currents that occur during compressor turn ons and turn offs. The high load capacity ensures that the switch performs again and again and is more reliable than lower Amp capacity switches, which are not designed to handle excessive loads from today's high efficiency HVAC systems.



**Metal Contacts**



Can be mounted with double sided tape, adjustable height clip or screw.

Proprietary design sensors can detect as little as 1/16" of water.

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