



AquaGuard® AG-1250E - Multi-purpose Electronic Condensate Sensor

for Metal Secondary Drain Pans and Basement Installations

Work Safe, READ THIS!

ATTENTION: FAILURE TO READ AND COMPLY WITH ALL WARNINGS, CAUTIONS AND INSTRUCTIONS PRIOR TO STARTING INSTALLATION MAY CAUSE PERSONAL INJURY AND/OR PROPERTY DAMAGE AND VOID WARRANTY.

STOP/READ: The AG-1250E must be installed in accordance with manufacturer's instructions. The AG-1250E must be installed in accordance with all applicable local plumbing, drainage and electrical codes.

WARNING: Remove electrical shock hazard – **DISCONNECT THE POWER TO THE HVAC UNIT BEFORE INSTALLING THE AQUAGUARD AG-1250E** to avoid electrical shock and/or equipment damage. Do not use on circuits exceeding 24 VAC to avoid damage to sensor, shock or fire hazard.

CAUTION: In some situations the sensor may cause the unit to rapidly cycle on and off as water level rises slowly in pan. After a brief period the HVAC unit will turn off completely. Condensation drain must be serviced if this occurs.

CAUTION: In any installation where property damage and/or personal injury might result from an inoperative sensor due to power outages, a back-up system(s) and /or alarm should be installed.

NOTICE: The AG-1250E must only be installed by a licensed contractor. Condensation pan must be properly maintained after installation and be kept free of foreign matter, rust or other obstructions that might interfere with the proper operation of the AG-1250E.

NOTICE: Cleaning solutions or dirty probes may not allow the HVAC unit to come on. If such, remove probe sensor and/or secondary pan sensor, clean, and dry.

ATTENTION: Clean surface with included alcohol pad before mounting with adhesive tape.

WIRING THE AG-1250E:

(To ensure proper performance of product, instructions must be followed.)

1. Ensure the power is disconnected to the HVAC unit at the main electrical panel prior to moving to step 2. Refer to the appliance manufacturer's installation and operating instructions and also review the wiring diagram in their instructions.

For Breaking "Wall Thermostat" Power Wire (see Figure 1)

2. In HVAC Unit locate 24 VAC Power wire going to "Wall Thermostat", (Typically RED). Break/Disconnect 24 VAC Power wire going to "Wall Thermostat".
 - A. Connect "RED", "Input: 24 VAC (Hot)" wire of AG-1250E to 24 VAC (Hot) secondary side of 24 VAC Transformer.
 - B. Connect "PURPLE", "Normally Closed" wire of AG-1250E to Thermostat's "R" Terminal.

NOTE: "PURPLE" wire must be connected to "THERMOSTAT". Maximum capacity 24VAC/5Amp.

- C. Connect "BLACK", "Input: 24 VAC (Common)" wire of AG-1250E to 24 VAC (COMMON) secondary side of 24 VAC Transformer or Thermostat's "C" Terminal.
- D. "WHITE", "Normally Open" wire of AG-1250E must be connected to AquaGuard, AG-9100 External Alarm (see Figure 1) or Home Alarm System, or Communicating System, etc..

CAUTION: "WHITE", "Normally Open" wire maximum capacity, 24VAC/1Amp.

Note: When AG-1250E is wired correctly, the HVAC unit will shut-off upon condensate detection.

Optional Wiring: For Breaking Compressor Wire

3. In HVAC Unit locate "Compressor wire going to "Wall Thermostat", typically (YELLOW). Break/Disconnect Compressor wire going to "Wall Thermostat".
 - A. Connect typically "YELLOW" wire, going to "Wall Thermostat" to "RED", "Input: 24 VAC (Hot)" wire of AG-1250E .
 - B. Connect "PURPLE", "Normally Closed" wire of AG-1250E to Compressor's typically "YELLOW" wire going to Compressor.

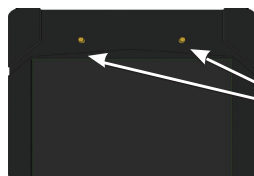
NOTE: "PURPLE" wire must be connected to COMPRESSOR "YELLOW" Wire. Maximum capacity 24VAC/5Amp.

- C. Connect "BLACK", "Input: 24 VAC (Common)" wire of AG-1250E to 24 VAC (COMMON) secondary side of 24 VAC Transformer or Thermostat's "C" Terminal.
- D. "WHITE", "Normally Open" wire of AG-1250E must be connected to AquaGuard, AG-9100 External Alarm (see Figure 1) or Home Alarm System, or Communicating System, etc..

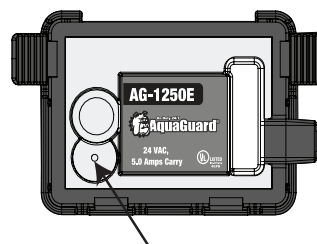
CAUTION: "WHITE", "Normally Open" wire maximum capacity, 24VAC/1Amp.

Note: When the AG-1250E is wired correctly, (ONLY) the Compressor will shut-off upon condensate detection. Air Handler will continue to run.

4. Test the AG-1250E Secondary Pan Sensor (At start-up check initial amperage load) while the HVAC unit is on and functioning correctly. See installation of the AG-1250E:



Metal contacts



Moisture detection LED

Standard HVAC Installation w/ optional external alarm or accessory

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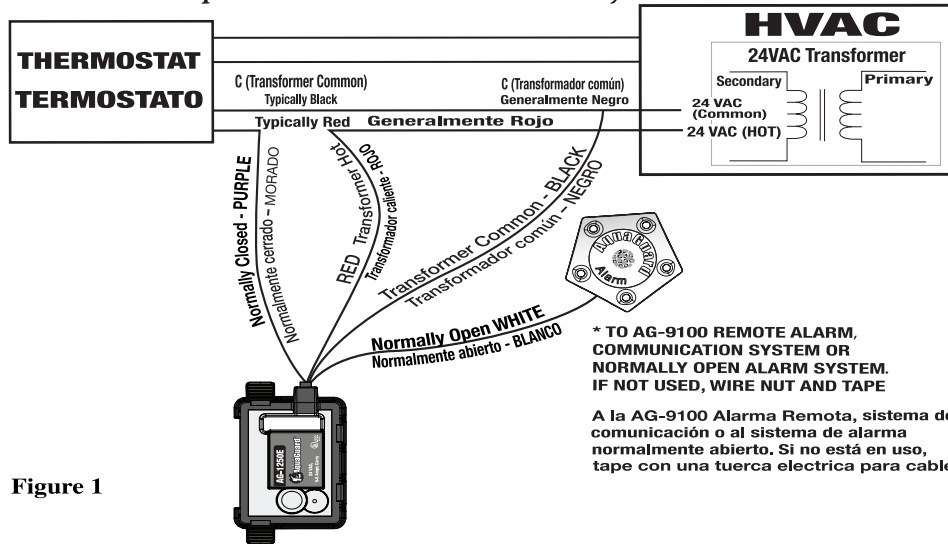


Figure 1

NOTE: For communicating HVAC systems, refer to equipment manufacturers recommendations for specific wiring instructions.

INSTALLATION OF SENSOR:

(To ensure proper performance of product, instructions must be followed.)

1. Clean desired mounting surface thoroughly with included alcohol pad.
2. Using the double sided tape, affix the mounting clip to the desired surface in pan. Next, snap AG-1250E to mounting clip.
3. Place the ATTENTION sticker on HVAC unit in a clearly visible location.
4. Test sensor: Place sensor in secondary pan and add enough water to the pan to cover contacts (approximately ¼ inch). LED will illuminate and HVAC unit will stop running if wired correctly

Specifications: Relay Normally Closed Contact 5Amps @ 24VAC – Red to Purple; Relay Normally Open Contact 1Amp @ 24VAC – Red to White.



LIMITED WARRANTIES AND LIMITATION OF LIABILITY

REGISTER YOUR PRODUCT ONLINE: www.rectorseal.com

1 YEAR SWITCH AND SENSOR LIMITED WARRANTY AND LIMITATION OF LIABILITY

The limitations of liability set forth below include body and all component parts as well as the product itself as a whole. Rectorseal warrants to the original consumer purchaser ("Purchaser") of its AquaGuard switch and sensor products, that they are free from defects in material or workmanship for a period of one (1) year from the date of purchase. If this product shall prove to be defective within the one (1) year period from the date of purchase, it shall be repaired or replaced, at Rectorseal's option, subject to the GENERAL TERMS and CONDITIONS set forth below.

EXCLUSIONS

This warranty does not cover damages resulting from use of components or accessories not approved by Rectorseal.

3, and 10 YEAR SEC-ONDARY DRAIN PAN LIMITED WARRANTY AND LIMITATION OF LIABILITY

This warranty applies only to secondary drain pans installed in the United States and Canada.

Rectorseal warrants to the original consumer purchaser ("Purchaser") of its AquaGuard secondary drain pan products, that they are free from defects in material or workmanship for a period of three (3) years for Titan pan models, ten (10) years for Goliath and Goliath Furnace models, from the date of purchase. If this product shall prove to be defective within the three, five or ten (3, or 10) year period from the date of purchase, it shall be repaired or replaced, at Rectorseal's option, subject to the GENERAL TERMS and CONDITIONS set forth below. This warranty extends only to the original consumer purchaser and is nontransferable.

EXCLUSIONS

This warranty does not cover damages resulting from the use of corrosive material (including, but not limited to: Acetone, MEK and petroleum-based products); nor damages resulting from use of components or accessories not approved by Rectorseal.

GENERAL TERMS AND CONDITIONS

To be eligible for the warranty the purchaser must provide Rectorseal with the following:

1. Proof of Purchase (Original Receipt)
2. Installer's Testimony
3. Original Product
4. Original Work Order
5. Photos of Installation

PURCHASER MUST PAY ALL LABOR AND SHIPPING CHARGES NECESSARY TO REPLACE PRODUCT COVERED BY THIS WARRANTY. This warranty shall not apply to acts of God, nor shall it apply to products which, in the sole judgment of Rectorseal have been subject to negligence, abuse, accident, tampering, misapplication, alteration; nor due to improper installation, operation or maintenance or storage; nor moved from its original place of installation; nor to other than normal application, use or service, including but not limited to, operational failures caused by corrosion, rust or other foreign materials in the system. Requests for service under this warranty shall be made by returning the defective product to the Retail outlet or to Rectorseal as soon as possible after the discovery of any alleged defect. Rectorseal will subsequently take corrective action as promptly as reasonably possible. No requests for service under this warranty will be accepted if received more than thirty-one (31) days after the term of the warranty. This warranty sets forth Rectorseal's sole obligation and purchaser's exclusive remedy for defective products. For your benefit and protection register your product online at www.rectorseal.com within thirty (30) days of installation. This will initiate the Warranty period and will allow us to contact you, should it become necessary. In the absence of a recorded product registration, the Warranty period will begin upon product shipment from Rectorseal. In the event that Rectorseal attempts to contact consumers regarding a recall or other matter, and any damages occur, which could have been avoided by registration by the consumer, Rectorseal shall have no liability. IN ALL CIRCUMSTANCES, RECTORSEAL'S MAXIMUM LIABILITY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID FOR THE PRODUCT ALONE. Warranty claims must be registered with Rectorseal within thirty (30) days of damage or malfunction. Rectorseal reserves the right to visit the site of the installation or to require documentation of the claim before assuming any responsibility under the provisions of this Warranty. Consumer agrees to inspect the product at the time of installation for any reasonable discernable defects and, further, agrees to inspect the product annually. Any damages occurring, which could have been avoided by proper inspection will not be the responsibility of Rectorseal. RECTORSEAL SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER TO THE PURCHASER OR ANY THIRD PARTY. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL EXPRESSED WARRANTIES. IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE APPLICABLE EXPRESSED WARRANTIES PROVIDED HEREIN.

Some states do not allow the exclusion of limitation of incidental and consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights that vary from state to state.

VENUE: Any purchaser or third party actions brought for any reason hereunder shall be commenced in Houston, TX and no other jurisdiction, and such action shall be governed by and construed in accordance with the laws of the State of Texas. Any notice herein shall be sent by certified or registered mail to 2601 Spenwick Drive, Houston, TX USA

24 VAC, 1 Amp Relay Normally Open

24 VAC, 5 Amps Relay Normally Closed

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