RECTORSEAL **Installation Instructions**

AG-3125E

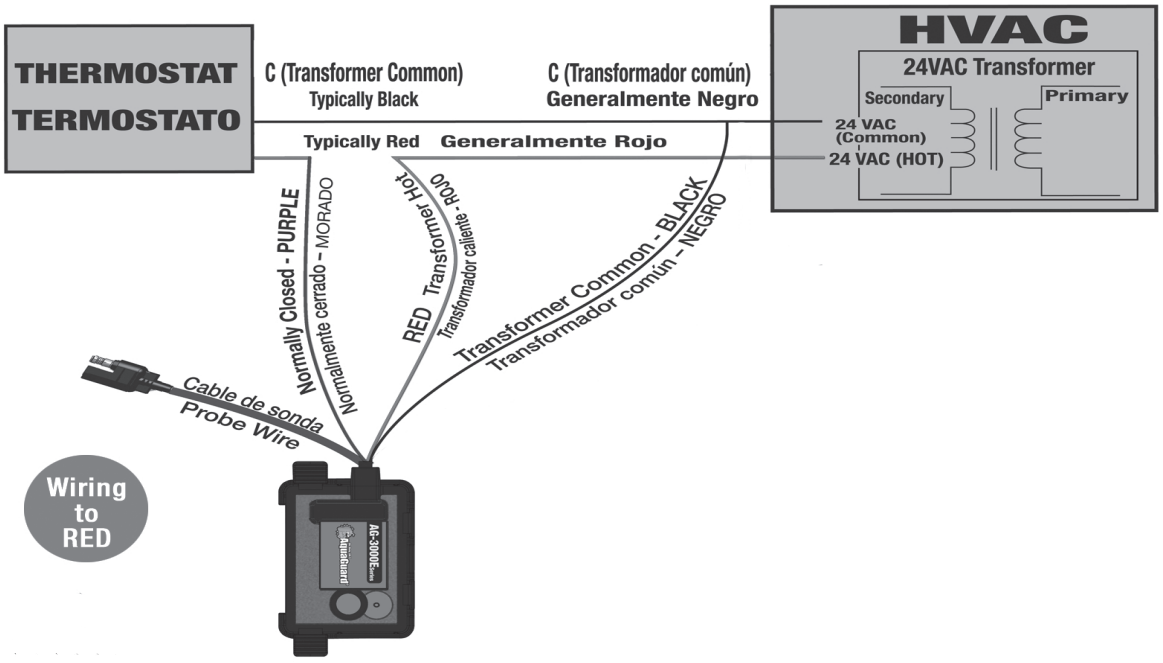
Wiring the AquaGuard® AG-3125E - Primary Pan Condensate Sensor

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.

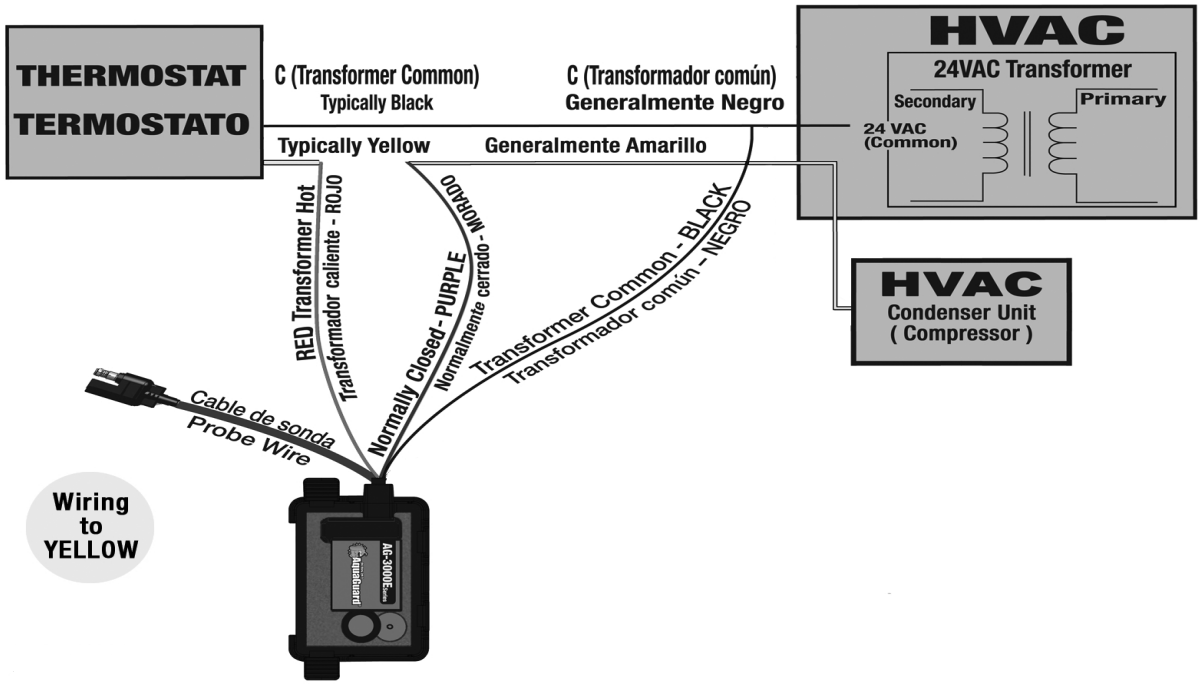
ATTENTION: Clean surface with included alcohol pad before mounting with adhesive tape.

FOR BREAKING "WALL THERMOSTAT" POWER WIRE (Wiring to RED)



1. 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-3125E to 24 VAC (Hot) secondary side of 24 VAC Transformer.
   B. Connect "PURPLE", "Normally Closed" wire of AG-3125E 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-3125E to 24 VAC (COMMON) secondary side of 24 VAC Transformer or Thermostat's "C" Terminal.
2. Test the AG-3125E Secondary Pan Sensor (At start-up check initial amperage load) while the HVAC unit is on and functioning correctly. See installation of the AG-3125E:

OPTIONAL: FOR BREAKING COMPRESSOR WIRE (Wiring to YELLOW)



1. 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-3125E
   B. Connect "PURPLE", "Normally Closed" wire of AG-3125E 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-3125E to 24 VAC (COMMON) secondary side of 24 VAC Transformer or Thermostat's"C" Terminal.
2. Test the AG-3125E Secondary Pan Sensor (At start-up check initial amperage load) while the HVAC unit is on and functioning correctly. See installation of the AG-3125E:

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

INSTALLATION OF THE AG-3125E :

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

1. Thread the probe sensor (Fig 4) on the secondary drain line on the primary pan (Fig 1). Tighten to ensure a good fit.
   a. If drain has a dam, make sure the probe is above dam, and seal has been seated properly.

2. Test the sensor by plugging the condensate line and filling the primary drain pan with water. If the sensor has been installed properly, the HVAC unit will stop running and LED will illuminate (Fig 6) (time delay up to 60 seconds).
3. Place the included ATTENTION sticker on the HVAC in a clearly visible location (Fig 5).
4. Affix the sensor box to the side of the HVAC unit using the double sided tape (Fig 2) (Clean area with alcohol pad).

ADAPTER FITTING:

1. For recessed drain applications or to lower sensitivity of sensor, use included adapter fitting (Fig 3)
    a. Thread the adapter fitting into the secondary drain port. Tighten with pliers to ensure a proper seal.
    b. Thread the probe sensor into the adapter ensuring it has been seated properly.

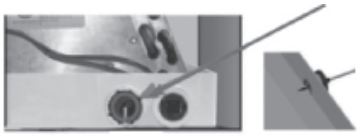


Fig 1



Fig 2



Fig 3



Fig 4



Fig 5



AG-3125E Control Box

Fig 6

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

ATTENTION: Work Safe

- The AG-3125E must be installed in accordance with manufacturer's instructions. The AG-3125E must be installed in accordance with all applicable local plumbing, drainage and electrical codes.
- Remove electrical shock hazard – DISCONNECT THE POWER TO THE HVAC UNIT BEFORE INSTALLING THE AQUAGUARD AG-3125E 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.
- 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.
- 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.
- The AG-3125E 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-3125E.
- If sensor is exposed to cleaning solution or has dirty probes, it may not allow the HVAC to function properly. If such, remove probe sensor and/or secondary pan sensor, clean, and dry.

RECTORSEAL

2601 Spenwick Drive, Houston, TX 77055
(P) 800-231-3345 (F) 800-441-0051 www.rectorseal.com

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 SECONDARY 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.1hiswarranty 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

RectorSeal® Houston, TX USA www.rectorseal.com US Patent 8,151,580; 8,154,313; 8,561,417; 8,578,770