



AquaGuard® AG-9300 Condensate Sensor - Mitsubishi Ductless Systems

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: This device must be installed in accordance with manufacturer's instructions. This unit must be installed in accordance with all applicable local codes, including plumbing, drainage and electrical.

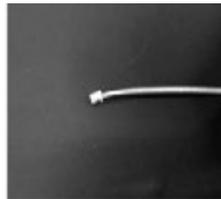
AG-9300 – COMPONENTS



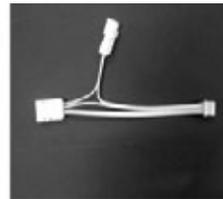
Control Box



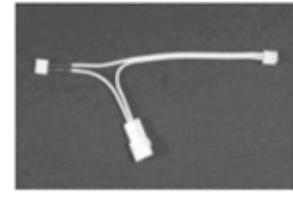
Micro Sensor



Splice Connector



M1 Wire Harness



M2 Wire Harness

BATTERY INSTALLATION on the AG-9300:

1. Remove the #2 screw from the top of the AG-9300 control box (fig 11).

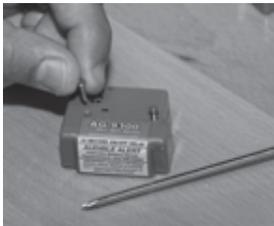


Fig 11

2. Separate the top from the base of the control box. Remove the 1/2 AA battery and replace with a new battery of identical type, making sure that battery polarity is correct (fig 12).



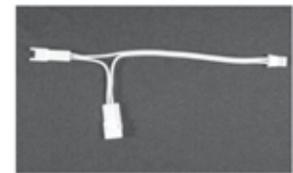
Fig 12

3. Reassemble AG-9300 top to base with screw.

INSTALLATION OF AquaGuard® AG-9300, MINI-SPLIT SENSOR:

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

1. Disconnect (and lock-out, if required) all power to the mini-split at the main disconnect panel of the mini-split indoor unit.
2. Remove front cover of mini-split unit in order to expose the cooling fins and the control circuit area of the unit (fig 1). The disassembly of the front cover, air filters, and possibly electrical shields will vary according to manufacturer. See the manufacturer's manual for disassembly if necessary.



P Wire Harness

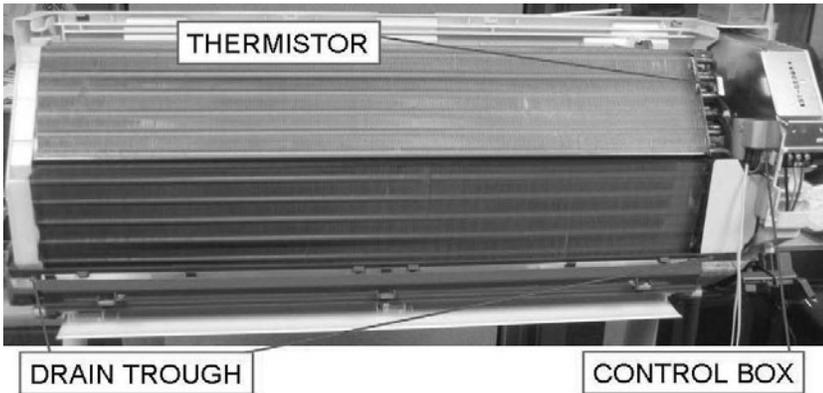


Fig 1: Mini split with cover removed

3. Connect AG-9300 Splice Connector to mating Wire Harness Connector. Connect the Control Box's Splice Connector to the mating connector on the Wire Harness (fig 2).

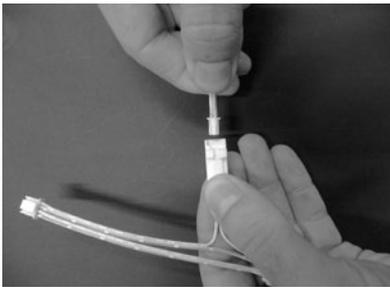


Fig 2

4. To connect the Wire Harness, first find the location of the mini-split's thermistor. It is attached to one end of the exposed copper coil (fig 3). Track the two (2) wires from the thermistor to the connected printed circuit board. At that location, remove the connector of the thermistor (fig 4). Plug either end of the Wire Harness into the printed circuit board, and plug the opposite end into the thermistor connector (fig 5).

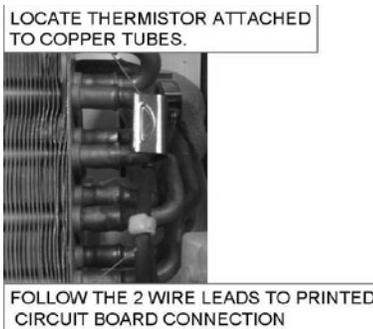


Fig 3

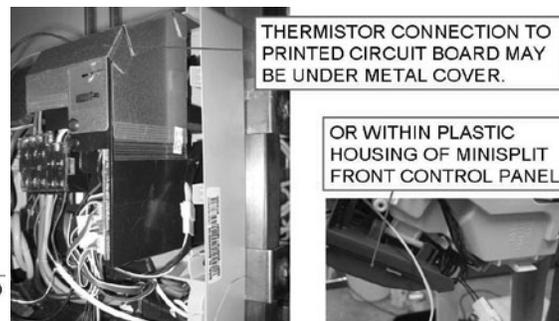


Fig 4



Fig 5

5. Determine the best location for the AG-9300 Control Box: Using the double-sided tape, mount the Control Box in a location inside the mini-split that will allow clearance for the mini-split cover to be reassembled (fig 6).



Fig 6

6. Reassemble any covers that were removed during the installation.
7. Test the AG-9300: Reconnect power to the mini-split. Use extreme caution, the AG-9300 is a low voltage device however, do not make contact with any high voltages on mini-split unit during testing. Turn unit on and set cooling thermostat to lowest temperature setting. Make sure the outdoor compressor is on before performing the test in step 8.

- Using a screwdriver or other metallic object, make a connection between the two pins on the Micro Sensor (fig 7). Unit should shut down after short delay.

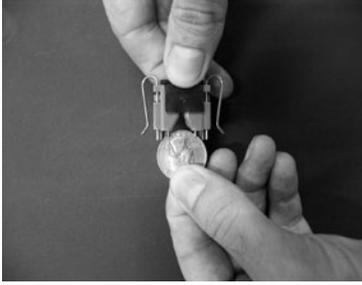


Fig 7

- Disconnect mini-split power before proceeding to the next step.
- Determine the best location for the AG-9300 Micro Sensor. Make sure that power has been disconnected. Find the drain trough of the mini-split. It is located directly below the aluminum fins of the coil and is wider than the coil.
- Wipe all water, dirt and dust from the drain trough with a damp cloth. **DO NOT REMOVE DOUBLE SIDED TAPE ON MICRO SENSOR YET.** Temporarily locate the Micro Sensor in the drain trough.
- Rotate the panel clips on the Micro Sensor so that the clips are towards the front of the mini-split indoor unit and slide onto the front edge of the drain trough (fig 8). Push the panel clips all the way down onto the plastic drain trough then push the Micro Sensor down until it stops on, or close to, the bottom of the drain trough (fig 9).



Fig 8



Fig 9

- Temporarily reassemble the front cover of the indoor mini-split unit to make sure that it reattaches properly. If there is interference with the front cover, relocate the Micro Sensor on the trough and recheck clearances.
- Once the best location has been determined, remove the double-sided tape on the Micro Sensor and reinstall it in the same manner as described above. Ensure the Micro Sensor touches the bottom of the trough and the panel clips are pushed all the way down on the front edge of the trough (fig 10).



Fig 10

- Bundle and tie wrap excess wire. Locate and anchor the excess wire bundles so that they do not interfere with the reassembly of the front cover of the mini-split.
- Reassemble the mini-split cover.
- Turn power on to mini-split unit.

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

3 VDC Battery Operated, 24 VDC/100mA Carry/Breaking Capacity

RectorSeal® Houston, TX USA www.rectorseal.com US Patent 9,038,405