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-9300-U must be installed in accordance with manufacturer’s instructions and with all applicable (local, plumbing, drainage, electrical) codes.

AG-9300-U – COMPONENTS

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

NOTE: TO AVOID FALSE TRIGGERING, SENSOR IS EQUIPPED WITH APPROXIMATELY A 16 SECOND DELAY.
BEFORE INSTALLATION, REMOVE BATTERY PULL TAB AND WAIT FOR AUDIBLE BEEPS SIGNIFYING UNIT IS OPERATIONAL.

BATTERY REPLACEMENT of AG-9300-U: A depleted battery is signaled by a short beep at approximately 35 second intervals. Contact manufacturer for battery replacement or purchase a lower life CR14250 (1/2 AA 3.0 VDC) size battery at your local retailer. Note: The battery should be replaced by a qualified technician.

INSTALLATION OF AquaGuard® AG-9300-U: (To ensure proper performance of product, instructions must be followed).

1. Disconnect (and lock-out, if required) all power to the Mini-Split System at the main electrical panel.
2. Remove the front cover of the Indoor Unit in order to expose the coil and the control circuit area (fig 3). The disassembly of the front cover, air filters, and possibly electrical shields will vary according to each model and manufacturer. See the manufacturer’s manual for details.
3. Determine the best location for the AG-9300-U Unit (above the drain pan and outside of the main airflow of the Indoor Unit). Using the double-sided tape, mount the AG-9300-U in a location inside the Indoor Unit that will allow clearance for the cover to be reassembled (Fig 4). Note: Bundle and tie wrap excess wire and route neatly to accommodate steps 3 and step 4.
4. Determine the ideal location for the Micro-Sensor (inside the drain pan of the Indoor Unit) and install the micro-sensor using the two metal clips. Note: allow clearance for the cover to be reassembled. (See fig 7 & 8)
5. Locate Power Terminal Block and disconnect Line #3 wire from the Indoor Unit and connect Line #3 wire to wire lead Labeled (O) of AG-9300-U with wire nut. (fig. 9 & 10). Note: Power Terminal Block print description will vary with each model and manufacturer.
6. Connect wire lead Labeled (I) of AG-9300-U to Power Terminal Block Line #3 of the Indoor Unit (fig. 9).
7. Determine the best location to position the AG-9300-U Micro-Sensor (inside the drain pan of the Indoor Unit). Find the drain pan below the coil in the Indoor Unit. It is located directly below the aluminum fins of the coil and is slightly wider than the coil depending on the style of Indoor Unit. Note: allow enough clearance for the cover to be reassembled. (See fig 7)
8. Wipe all water, dirt and dust from the drain pan with a damp cloth. DO NOT REMOVE DOUBLE SIDED TAPE ON MICRO-SENSOR YET. Temporarily position the Micro-Sensor in the drain pan. Rotate the panel clips on the Micro-Sensor so that the metal clips are towards the front of the Indoor Unit and slide onto the front edge of the drain pan (fig 7). Push the panel clips down into the pan to a position where the two sensing contacts remain above the condensate level in normal operation, but are submerged if the pan drain plugs up (fig 8). Location of the micro-sensor should be no less than 3/8” from the bottom of the drain pan. (fig. 5)
Note: (These installation instructions are typical for all wall mounted, floor standing, ceiling recessed, ceiling concealed, and ceiling suspended units.
9. Temporarily reassemble the front cover of the Indoor Unit to make sure that the front cover reattaches properly. If there is interference with the front cover, relocate the Micro-Sensor on the drain pan and recheck clearances.
10. Once the best location for the Micro-Sensor has been determined, remove the double-sided tape and reinstall it in the same manner as described above. See step 7.
11. Bundle and tie wrap excess wire and route neatly so that they do not interfere with the reassembly of the Indoor Unit cover. See Step 3 and Step 4.
12. Reassemble all covers that were removed during the installation of the AG-9300-U.
13. Restore all power to the Mini-Split System.
TESTING THE AG-9300-U:

Note: Beware of high voltage on the Indoor/Outdoor Units during testing: Use extreme caution, while the AG-9300-U operates on 3.0 VDC it also connects to a maximum 115 VAC.

A. Reconnect power to both the Indoor and Outdoor Units, turn Indoor Unit on and set cooling thermostat to lowest temperature setting before performing test in step B.

B. Using a coin, clip lead or other metallic object, carefully make a connection between the two pins on the Micro-Sensor (fig 6). Outdoor Units will shut-down and Indoor Unit will enter a “Fault State” after a brief delay lasting (approximately 15 second to 5 minute). Note: Shut-Down delay will vary with each model and manufacturer.

C. Test the system by plugging the condensate line and filling the primary drain pan with water. If the AG-9300-U is installed properly, the Outdoor Unit will shut-down and Indoor Unit will enter a “Fault State” after a brief delay lasting (approximately 15 second to 5 minute). Note: Shut-Down delay will vary with each model and manufacturer. Check for leaks!

D. Once the AG-9300-U senses no condensate, the Mini-Split System will resume normal operation after a brief delay lasting (approximately 15 second to 5 minute). Check for leaks!
BATTERY INSTALLATION on the AG-9300-U:
1. Disconnect (and lock-out, if required) all power to the Mini-Split System at the main electrical panel.
Note: Consult AquaGuard® AG-9300-U installation procedures if you need to disconnect any wires to accomplish battery installation.
2. Remove the #2 screws from the top of the AG-9300-U Control Box (fig 1)

(fig 1)

3. Separate the top from the base of the AG-9300-U. Remove the (1/2 AA 3.0 VDC) size battery and replace with a new battery of identical type, making sure that battery polarity is correct (fig 2). Note: Audible Beep should be heard indicating AG-9300-U is operational.

(fig 2)

4. Reassemble AG-9300-U top to base with screws.
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.

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 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

Relay Normally Closed Contacts 1 Amp @ 110VAC Max

RectorSeal® Houston, TX USA www.rectorseal.com US Patent Pending

AG9300-U 11302012 CCBG
Trabaje seguro, LEA ESTO!
ATENCIÓN: EL NO LEER Y SEGUIR TÓDAS LAS ADVERTENCIAS, INDICACIONES E INSTRUCCIONES ANTES DE COMENZAR LA INSTALACION PUEDE CAUSAR HERIDAS PERSONALES Y/O DAÑOS MATERIALES, E INVALIDAR LA GARANTÍA
ALTO/LEA: El AG-9300U se debe instalar de acuerdo a las instrucciones del fabricante y según todas las normas locales vigentes de plomería, drenaje y eléctricas.

AG-9300-U – COMPONENTES

AVISO: PARA EVITAR FALSA ACTIVACION, EL SENSOR TIENE UN RETRASO DE APROXIMA DAMENTE 16 SEGUIDOS.

AVISO: ANTES DE INSTALAR, QUITE LA TIRA DEBAJO DE LA PILA Y ESPERE EL PITIDO INDICANDO QUE LA UNIDAD ESTÁ FUNCIONANDO.

PARA REEMPLAZAR LA PILA del AG-9300-U: Si la pila no tiene carga, sonará un pitido de corta duración – aproximadamente cada 35 segundos. Llame al fabricante para reemplazar la pila o compruebe una pila CR14250 (1/2 AA 3.0 VDC) de vida más corta. Aviso: La pila la debe reemplazar un técnico capacitado.

INSTALACION DEL AquaGuard® AG-9300-U: (Para asegurar rendimiento del producto, debe seguir las instrucciones).
1. Desconecte (y sí se requiere), corte la electricidad al sistema mini-split desde el panel eléctrico principal.
2. Quite la cubierta del frente de la unidad interior para el serpentín (coil) y el área del circuito de control de la unidad (fig 4). El desmontaje de la cubierta, los filtros de aire y quizás las cubiertas protectoras pueden variar según el fabricante. Consulte el manual del fabricante para confirmar si es necesario desmontar.
3. Determine el mejor lugar para colocar la caja de control del AG-9300-U (encima de la banda de drenaje y afuera de flujo principal). Usando cinta pegante de doble cara, monte el AG-9300-U adentro de la unidad interior asegurando que haya espacio para que la cubierta de la unidad pueda cerrar (Fig. 6). Aviso: Enrolle exceso de cable con cuidado y siga a los pasos 3 y 4.
4. Determine el lugar ideal para colocar el micro-sensor (adentro de la banda de la unidad interna), e instale el micro-sensor usando los dos clips/ganchos de metal. Aviso: Asegure que haya espacio para que la cubierta de la unidad pueda cerrar. (Ver fig 8).
5. Encuentre el terminal y desconecte el cable (línea #3) de la unidad interior y conecte el cable (línea #3 al cable marcado (O) del AG-9300-U con la tuerca. (Fig. 8). Aviso: La descripción del terminal es distinto para cada modelo y fabricante.
6. Conecte el cable marcado (1) del AG-9300-U al cable (línea #3) del terminal en la unidad interior (fig. 9). Aviso: La descripción del terminal es distinto para cada modelo y fabricante.
7. Determine el mejor lugar para colocar el micro-sensor AG-9300-U (adentro de la banda de la unidad interna). Encuentre la banda debajo del serpentín en la unidad interna. Está directamente debajo de las aletas de aluminio del serpentín y es un poco más ancho que el serpentín, dependiendo del estilo de la unidad interna. Aviso: Deje suficiente espacio para que la cubierta se pueda armar otra vez. (Ver fig 7).
8. Selle el agua y límpie el mugre y polvo de la banda con una paño húmedo. NO QUITE LA CINTA PEGANTE DE DOBRE CARA DEL MICRO-SENSOR. Coloque el Micro-Sensor temporalmente en la banda deje los ganchos/ clips del Micro-Sensor de manera que los clips de metal estén hacia el frente de la unidad interna y quepan alineados en el borde del frente de la banda (fig 7). Empuje los clips hacia abajo en la banda en posición de manera que los dos sensores estén encima del nivel de agua en operación normal, pero que estén submergidos si la banda se llena de agua. (fig 8). El micro-sensor no debe estar a menos de 3/8 de pulgada (1 cm) del fondo de la banda.
9. Temporalmente arme la cubierta del frente de la unidad interior para asegurar que la cubierta arme bien. Si interfiere con la cubierta del frente, coloque el Micro-Sensor en otra parte de la banda y revise si hay suficiente espacio.
10. Cuando determine el mejor lugar para el micro-sensor, quite la cinta pegante de doble cara y vuelva a instalar de la manera descrita arriba. (fig 5).
11. Junte y amarre el exceso de cable y routee neel para que no interfiera al colocar la cubierta de la unidad interior. Ver paso 3 y paso 4.
12. Arme todas las cubiertas que se quitaron durante la instalación del AG-9300-U.
13. Conecte la electricidad al sistema Mini-Split.
COMO PROBAR EL AG-9300-U:

Aviso: Tenga cuidado con el alto voltaje en las unidades interiores y exteriores mientras prueba el sensor. Tenga mucho cuidado. El AG-9300-U funciona con 3.0 VDC y conecta con un máximo de 115 VAC.

A. Conecte la electricidad a las unidades interiores y exteriores. Prenda la unidad interior y seleccione la temperatura más baja en el termostato antes de probar el sensor en el paso B.

B. Usando una moneda, gancho u otro objeto metálico, con cuidado haga una conexión entre los dos postes del Micro-Sensor (fig 3). Las unidades exteriores se apagaran y la unidad interior operara en un “Estado de Falla” después de un breve retraso de aproximadamente entre 15 segundos y 5 minutos. Aviso: El retraso en varia entre cada modelo y fabricante.

C. Pruebe el sistema conectando la línea de condensación y llenando la bandeja principal con agua. Si el AG-9300-U está debidamente instalado, se apagaran las unidades exteriores y la unidad interior indicara “Estado de Falla” después de un periodo breve (entre 15 segundos y un minuto). Aviso: El retraso en apagarse la unidad varia entre cada modelo y fabricante. Revise que no haya goteras (escape de agua).

D. Cuando el AG-9300-U no detecte humedad, el sistema Mini-Split volverá a su funcionamiento normal después de un retraso de aproximadamente entre 15 segundos y 5 minutos). Revise que no haya escapes!
INSTALACION DE LA PILA en el AG-9300-U:
1. Desconecte (y si se requiere), corte la electricidad al sistema mini-split desde el panel eléctrico principal.
Aviso: Consulte los pasos de instalación del AquaGuard* AG-9300-U si debe desconectar los cables.
2. Destornille los tornillos de la parte superior de la caja de control del AG-9300-U (fig 1).

![Fig. 1](image1)

3. Separe la parte superior de la base del AG-9300-U. Quite las pilas (1/2 AA 3.0 VDC) y reemplácelas con una pila nueva del mismo tamaño y asegúrese que la polaridad de la pila sea correcta (fig 2).
Aviso: Debe oír el pitido indicando que el AG-9300-U está funcionando.

![Fig. 2](image2)

4. Usando los tornillos coloque la tapa del AG-9300-U con su base.
**GARANTÍAS LIMITADAS Y LIMITACION DE RESPONSABILIDAD**

**REGISTRE SU PRODUCTO EN LÍNEA:** www.ectorseal.com

**GARANTÍA LIMITADA DE UN AÑO DE INTERRUPTOR Y SENSOR Y LIMITACION DE RESPONSABILIDAD**
Las limitaciones de responsabilidad detalladas a continuación incluyen el empaque y todos los componentes, así como el producto completo. Rectorseal le garantiza al comprador original ("Comprador") de sus Productos AquaGuard que los interruptores de flotador están libres de defectos de materiales o de fabricación por un período de un (1) año a partir de fecha de compra. Si este producto presenta defectos durante el período de un año a partir de fecha de compra, Rectorseal tiene la opción de reparar o reemplazar el producto según los TERMINOS GENERALES y CONDICIONES a continuación.

**EXCLUSIONES**
Esta garantía no cubre daños debido al uso de componentes o accesorios que no han sido aprobados por Rectorseal.

**GARANTÍA LIMITADA DE 3, 5 y 10 AÑOS DE BANDEJAS AUXILIARES Y LIMITACION DE RESPONSABILIDAD**
Esta garantía aplica solamente a bandejas de drenaje secundarias instaladas en las Estados Unidos y Canadá. Rectorseal le garantiza al comprador original ("Comprador") de sus bandejas de drenaje secundarias AquaGuard, que estén libres de defectos en material o de fabricación por un período de tres (3) años para modelos Titan, diez (10) años para modelos Goliath y Goliath para calderas (Furnace) a partir de la fecha de compra. Si este producto presenta defectos durante el período de tres, cinco o diez (3, 5 o 10) años a partir de la fecha de compra, será reparado o reemplazado, a la opción de Rectorseal, según los TERMINOS GENERALES y CONDICIONES a continuación. Esta garantía es solamente del comprador original y no es transferible.

**EXCLUSIONES**
Esta garantía no cubre daños debido al uso de material corrosivo (incluyendo, pero no limitado a: Acetona. MEK y productos a base de petróleo); daños causados por el uso de componentes o accesorios que no han sido aprobados por Rectorseal.

**TERMINOS Y CONDICIONES GENERALES:**
Para tener derecho a la garantía, el comprador debe presentarle a Rectorseal lo siguiente:
1. Prueba de Compra (Recibo Original)
2. Testimonio del Instalador
3. Producto Original
4. Orden Original de Trabajo
5. Fotos de la instalación

**CONTACTOS DE RELÉ NORMALMENTE CERRADOS 1 AMP @ 110VAC MAX**
RectorSeal® Houston, TX USA www.ectorseal.com US Patent Pending

**AG9300-U 12042012 C C B G**