

INSTALLATION INSTRUCTIONS

SAFE-T-SWITCH®

SSW

Multipurpose water sensor for floor or secondary drain pans

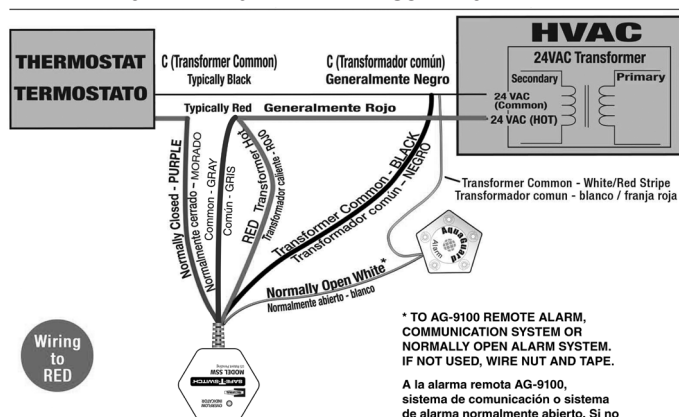
PRODUCT CODE **97092**

WIRING THE SSW

Wiring instructions for breaking WALL THERMOSTAT power wire:

- In HVAC unit, locate HVAC power wire going to **wall thermostat (typically RED)**. Break/Disconnect 24VAC power going to **wall thermostat**.
 - Connect **RED**, Input: 24VAC (Hot) and **Common - GRAY** wire of SSW to 24VAC (Hot) secondary side of 24VAC transformer.
 - Connect **Normally Closed - PURPLE** wire of SSW to thermostat's **R** terminal wire.
NOTE: PURPLE wire must be connected to wall thermostat, maximum capacity 24VAC/5 Amp.
 - Connect **BLACK**, Input: 24VAC (Common) wire of SSW to 24VAC (Common) secondary side of 24VAC transformer or thermostat **C** terminal.
 - Optional: Connect **Normally Open - WHITE** wire of SSW to the **WHITE** wire of Aquaguard AG-9100 external alarm or home alarm system or communicating system, etc.
NOTE: Normally Open - WHITE wire maximum capacity, 24VAC/1Amp.
- Test the SSW secondary pan sensor while HVAC unit is on and functioning correctly.
NOTE: When SSW is wired correctly, the HVAC unit will shut off upon condensate detection.

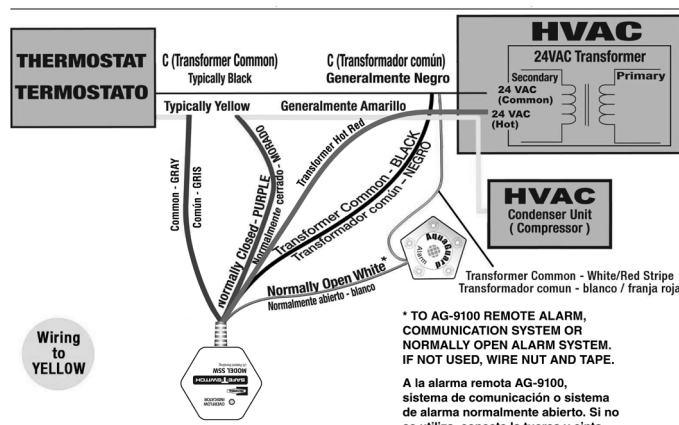
WIRING DIAGRAM FOR BREAKING WALL THERMOSTAT POWER WIRE



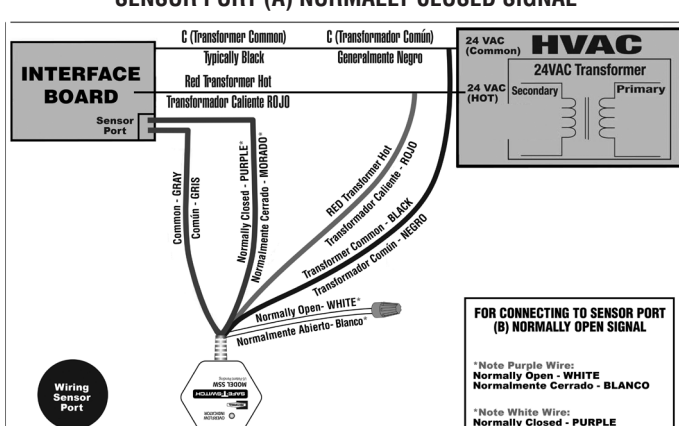
Optional wiring instruction for breaking compressor wire:

- In HVAC unit locate compressor wire going to **wall thermostat (typically YELLOW)**. Break/Disconnect compressor wire going to **wall thermostat**.
 - Connect **Typically YELLOW** wire, going to wall thermostat to **Common - GRAY** wire of SSW.
 - Connect **Normally Closed - PURPLE** wire of SSW to Compressor's **Typically YELLOW** wire.
NOTE: PURPLE wire must be connected to compressor YELLOW wire, maximum capacity 24VAC/5 Amp.
 - Connect **RED**, Input: 24VAC (Hot) wire of SSW to 24VAC (Hot) of 24VAC transformer of thermostat's **R** terminal.
 - Connect **BLACK**, Input: 24VAC (Common) wire of SSW to 24VAC (Common) secondary side of 24VAC transformer or thermostat **C** terminal.
 - Optional: Connect **Normally Open - WHITE** wire of SSW to the **WHITE** wire of Aquaguard AG-9100 external alarm or home alarm system or communicating system, etc.
- Test the SSW secondary pan sensor while HVAC unit is on and functioning correctly.
NOTE: When SSW is wired correctly, the HVAC unit will shut off upon condensate detection. Air Handler will continue to run.

OPTIONAL WIRING DIAGRAM FOR BREAKING COMPRESSOR WIRE



FOR CONNECTING TO SENSOR PORT (A) NORMALLY CLOSED SIGNAL



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.

- Test sensor: Place sensor in secondary pan and add enough water to the pan to cover contacts (approximately 1/4 inch). LED will illuminate and HVAC unit will stop running if wired correctly.
- Following successful test, SSW may be installed in secondary pan or on floor in desired location.

Specifications:

Relay Normally Closed Contact 5Amps @ 24VAC - Red to Purple;

Relay Normally Open Contact 1Amp @ 24VAC - Red to White.

CAUTION 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.

CAUTION The SSW must be installed in accordance with manufacturer's instructions. The SSW must be installed in accordance with all applicable local plumbing, drainage and electrical codes.

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.

WARNING Remove electrical shock hazard – **disconnect the power to the HVAC unit before installing the Safe-T-Switch SSW** 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.

NOTICE: The SSW must only be installed by a licensed contractor. Condensate 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 SSW.

NOTICE: Cleaning solutions or dirty probes may not allow the HVAC unit to come on. If such, remove SSW and wipe clean.

Limited Warranty



For more information on our product limited warranty, visit RectorSeal.com

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