

DUAL A2L REFRIGERANT COILS & AIR HANDLERS

FOR R32 & R454B SYSTEMS



Aspen provides dual refrigerant RDS kits for R32 and R454B to provide optimal performance and avoid nuisance or false alarms that can occur in inferior products. The innovative RDS kits have unique features allowing flexibility in installation and application. The kits are compatible with all Aspen coils. Certified to meet the requirements of UL 60335-2-40, each kit provides for a complete installation of sensor and mitigation device required by the UL standard. Kits with relay have an optional functionality to control additional equipment or accessories. Optional factory-installed R32 and 454B pistons; and R32 and 454B TXVs with 20% bleed available.

With two kits in total (standard RDS kit, RDS kit with relay), an Aspen has a kit that works for every application. Aspen's RDS kits connect through the 24-volt connection on the furnace with provided field wiring and shuts down the condenser and turns on the furnace blower to dilute the refrigerant concentration below the flammability limit when activated.

IDEAL FOR USE WITH ASPEN CASED AND UNCASSED COILS, PLUS ALL AIR HANDLERS!



FEATURES

- System designed to last the useful life of the evaporator coil.
- Kit includes all components needed for RDS installation.
- Sensor wire length of eight (8) feet, and mitigation board power wire length three (3) feet.
- Optional relay for controlling additional components.
- Flexible installation location, ideal for installs on existing equipment.

SPECIFICATIONS

- The refrigerant detection kit has been designed and tested to meet UL60335-2-40 4th edition safety standard.
- Refrigerant detection sensors have been designed, tested, and calibrated specifically for both R454B and R32. Sensors have a 15+ year lifetime with no calibration required.
- Mitigation control boards are programmed with logic and timing to complete proper mitigation measures per the UL standard. *Aspen offers two mitigation options:*
 - **Standard mitigation control (S)** – turns on indoor blower to dissipate refrigerant concentration and cuts power to outdoor unit to stop new refrigerant from entering the space.
 - **Mitigation + accessory control (R)** – includes the same functionality as standard option plus ability to energize/de-energize up to four inputs for accessories such as electric heat, gas furnace, air cleaners, and zoning systems.
- The kit utilizes the thermostat 24V wiring of the system.
- The kit is field mounted to give installation flexibility on replacements applications.
 - All components needed for installation, including labels, wiring diagrams, cable/wire harnesses, and instructions, are included in the kit.

WARRANTY

- For Factory Installed RDS Sensors, the warranty aligns with warranty of the of the coil. The kit purchased separately has a one (1) year limited warranty.

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OPTION S Standard Mitigation Refrigerant Detection System (RDS) Kit



Standard mitigation control kit (S) – turns on indoor blower to dissipate refrigerant concentration and cuts power to outdoor unit to stop new refrigerant from entering the space. Kit includes all components needed for RDS installation.

INCLUDED WITH KIT:

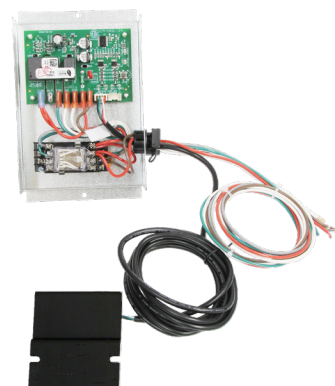
- (1) *Installation Instructions*
- (1) *Wiring Diagram Schematic*
- (1) *Mitigation Control Assembly*
- (1) *Strain Relief Clip*
- (2) *Cable ties*
- (2) *#8 x 1/2 Drill Point Screws*
- 3' *Power & Low Voltage Connection*
- *Sensor Connections*
 - (1) *8' Sensor Cable*
 - (1) *Sensor + Bracket*
- *Stickers & Labels*

OPTION R Standard + Accessory Control Refrigerant Detection System (RDS) Kit

Mitigation + accessory control kit (R) – includes the same functionality as standard option plus ability to energize/de-energize up to four inputs for accessories such as electric heat, gas furnace, air cleaners, and zoning systems.

INCLUDED WITH KIT:

- (1) *Installation Instructions*
- (1) *Wiring Diagram Schematic*
- (1) *Mitigation Control Assembly*
- (1) *Additional Accessory Control Connection*
- (1) *Strain Relief Clip*
- (2) *Cable ties*
- (2) *#8 x 1/2 Drill Point Screws*
- 3' *Power & Low Voltage Connection*
- *Sensor Connections*
 - (1) *8' Sensor Cable*
 - (1) *Sensor + Bracket*
- *Stickers & Labels*



A2L RDS KIT PART #	DESCRIPTION
A2LZS	A2L RDS KIT, R454B and R32, STANDARD
A2LZR	A2L RDS KIT, R454B and R32, W/ RELAY

*Applicable with all Aspen drain pans.

FOR FURTHER INFORMATION

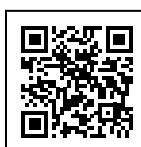
- **For TXV Kit Selection for A2L Refrigerants:** Please review the Metering Device Selection Matrix Nomenclature.

SCAN QR CODES TO VIEW HELPFUL LINKS BELOW



ASK YOUR LOCAL SALES REP OR SCAN TO LEARN MORE

Aspen's Dual A2L Refrigerant Technology for R32 and R454B Systems.



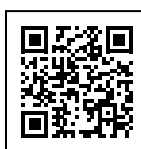
AHRI QUICK MATCH TOOL

Identify the correct AHRI-certified match for any Aspen coil, air handler, or Aspen PRO air handler. Available on the Resources page.



VISIT WWW.ASPENMFG.COM

View Aspen's full line of industry-leading coils and air handlers.



SEE PRODUCT RESOURCES

Looking for technical documents, training videos, ordering terms, and more? It's all just a QR scan away.

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