



Aspen provides specific 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 the required sensor and mitigation device required by the UL standard. Kits with relay have an optional functionality to control additional equipment or accessories.

With eight kits in total (standard RDS kit, RDS kit with relay, and 2 mounting bracket options), 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.

Aspen RDS Kit Features

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

Aspen RDS Kit 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 either R454B or 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.

For Further Information:

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



Aspen Standard Mitigation Refrigerant Detection System (RDS) Kit - Option "S"

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.

Kit Includes:

- (1) **Mitigation Board**
- (1) **Field Low Voltage Wiring**
- (1) **Sensor Cable**
- (1) **Sensor + Clip**
- (1) **Stickers**
- (1) **Instructions**
- (1) **Anti-strain Clip**
- **Zip ties**

A2L RDS KIT Part #	Description	Drain Pan Use With
A2L4SA	A2L RDS KIT, R454B, STANDARD, A	16" - 23" Width Drain Pans
A2L4SB	A2L RDS KIT, R454B, STANDARD, B	13" Width Drain Pans
A2L3SA	A2L RDS KIT, R32, STANDARD, A	16" - 23" Width Drain Pans
A2L3SB	A2L RDS KIT, R32, STANDARD, B	13" Width Drain Pans

Note: suffix A is used for 16 to 23-inch width drain pans; B is used for 13-inch-wide pans on models: All C and D 130 to 145 width code.



Aspen Standard + Accessory Control Refrigerant Detection System (RDS) Kit - Option "R"

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.

Kit Includes:

- (1) **Mitigation Board**
- (1) **Field Low Voltage Wiring**
- (1) **Sensor Cable**
- (1) **Sensor + Clip**
- (1) **Additional Accessory Control Connection**
- (1) **Stickers**
- (1) **Instructions**
- (1) **Anti-strain Clip**
- **Zip ties**

A2L RDS KIT Part #	Description	Drain Pan Use With
A2L4RA	A2L RDS KIT, R454B, W/ RELAY, A	16" - 23" Width Drain Pans
A2L4RB	A2L RDS KIT, R454B, W/ RELAY, B	13" Width Drain Pans
A2L3RA	A2L RDS KIT, R32, W/ RELAY, A	16" - 23" Width Drain Pans
A2L3RB	A2L RDS KIT, R32, W/ RELAY, B	13" Width Drain Pans

Note: suffix A is used for 16 to 23-inch width drain pans; B is used for 13-inch-wide pans on models: All C and D 130 to 145 width code.