

Ducane™
27A05
Refrigerant
Detection
System



Ducane 27A05 Refrigerant Detection System Instructions

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Ducane™

Ducane 27A05 Refrigerant Detection System



Product Specifications

- **Product Name:** Refrigerant Detection System
- **Compatible Refrigerants:** R-410A, R-454B
- **Components:** TXV, Refrigerant Sensor, Mounting Bracket
- **Compatibility:** Field-convertible Coils & Air Handlers, Factory-ready R-454B components

What you need to know about field-installed kits

You need flexibility at the jobsite and our innovative multi-refrigerant coils and air handlers provide an easy solution for both R-410A system repairs and R-454B installations. Depending on the job and if the furnace is being replaced, you'll need to ensure you have the right components on site.

Field-convertible Coils & Air Handlers

Convertible coils and air handlers ship to you ready for R-410A installations. Here's what you need to know to convert them to R-454B refrigerant:

1. You'll need a R-454B TXV to replace the factory installed R-410A TXV in the convertible coil or air handler.

2. A refrigerant sensor needs to be installed in the factory installed mounting bracket.
3. Depending on the orientation of the air handler, the mounting bracket may need to be relocated. Units ship ready for up-flow installation.
4. If the job has a furnace that does not have built-in refrigerant detection system controls, or you're using a convertible air handler, you'll need to add external controls to the system.
5. Be sure to apply the supplied R-454B labels once the coil or air handler is converted.
6. Refer to the chart for components needed in different applications.

Factory-ready R-454B components

- When you're installing a dedicated R-454B coil and outdoor unit, coils have a factory installed sensor. For an existing furnace or if the new furnace does not have built-in refrigerant detection system controls, you'll need external controls.
- Air Handlers will ship from the factory with both the refrigerant detection system sensor and refrigerant detection system controls built-in – no field modification required.

Furnace or Air Handler Without Refrigerant Detection System Controls

Furnace or Air Handler Without Refrigerant Detection System Controls	
Multi-refrigerant Coil	27A05 – Non-communicating Controls 27A06 – Communicating Controls 26Z69 – Sensor
Dedicated R-454B Coil	27A05 – Non-communicating Controls 27A06 – Communicating Controls
Multi-refrigerant Air Handler	27A05 – Non-communicating Controls 27A06 – Communicating Controls 26Z69 – Sensor
Dedicated R-454B Air Handler	

Furnace or Air Handler With Built-in Refrigerant Detection System Controls

Furnace or Air Handler With Built-in Refrigerant Detection System Controls

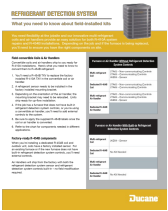
Multi-refrigerant Coil	26Z69 – Sensor
Dedicated R-454B Coil	No Kit Needed
Multi-refrigerant Air Handler	
Dedicated R-454B Air Handler	No Kit Needed

FAQ

Frequently Asked Questions

- **Q:** Do I need to purchase additional kits for converting coils and air handlers to R-454B refrigerant?
 - **A:** Yes, you may need to purchase a R-454B TXV and a refrigerant sensor for the conversion process.
- **Q:** What do I do if the furnace does not have built-in refrigerant detection system controls?
 - **A:** In such cases, you will need to add external controls to the system for proper detection of refrigerants.

Documents / Resources

	Ducane 27A05 Refrigerant Detection System [pdf] Instructions 27A05, 27A06, 26Z69, 27A05 Refrigerant Detection System, 27A05, Refrigerant Detection System, Detection System, System
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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