



Innovairflex™

Duct Smoke Detector Frequently Asked Questions

What is InnovairFlex? How is it different from Innovair?

InnovairFlex is a next generation duct smoke detector product series from System Sensor. InnovairFlex offers extraordinary flexibility while lowering the TCO (total cost of ownership) for customers. InnovairFlex enhances the trusted technologies of our existing Innovair product lines with newly added features.

How does InnovairFlex provide more flexibility to customers?

Some of the key InnovairFlex features include:

- Versatile mounting options in square or rectangular configuration with modular construction
- All conventional InnovairFlex models, including NEMA4 version, are designed to operate at a broader operating temperature range from -4°F to 158°F and humidity range from 0 to 95% non-condensing.
- New sampling tubes for InnovairFlex allow installation or removal of tubes without the use of any tools.
- As many as 50 InnovairFlex detectors can be interconnected so that when one unit senses smoke, all interconnected detectors will switch their relays; however, only the detector sensing smoke will go into alarm to pinpoint the fire source.
- A D4S sensor-only component can be connected to a D4120 4-wire conventional model in order to allow one power board to monitor both the supply and return side sensors without having to place a complete detector in each location.

The above and other flexible features of InnovairFlex will allow for easy installation and maintenance for operators.

How does InnovairFlex lower TCO (total cost of ownership) for customers?

An easy access “Test/Reset” button on the detector allows testing without removing the cover. A plug-in sensor has been developed to provide superb false alarm immunity while facilitating operators to replace the sensor easily when it needs to be replaced. Built-in short circuit protection will minimize damage to the detectors from operator wiring errors. Three DIP switches can be used to configure field-selectable settings: cover tamper delay, number of sensors to be controlled, and shut down on trouble option.

Combining these features with its flexibility, InnovairFlex will provide the highest quality products at one of the lowest costs.

What InnovairFlex models will be available to customers?

The following InnovairFlex models will be available to our customers. All models utilize the photoelectric technology.

- D4120 (4-wire conventional duct smoke detector)
- D4120W (4-wire conventional watertight NEMA4 duct smoke detector)
- D2 (2-wire conventional duct smoke detector)
- DNR (Intelligent non-relay duct smoke detector)
 - Allows space for relay or control module mounting

Can a user separate a co-located InnovairFlex model to use it as a sensor or power board component only?

We understand that customers would have to overcome different constraints during installation. As a result, System Sensor has designed the detector that provides a flexible footprint for mounting options for your various applications. However, the co-located model was not designed nor tested to be used as a sensor or power component only. Thus, System Sensor does not recommend nor support separating the co-located model to be used as a sensor or power board component only.

Customers can purchase the following individual components (available only for 4-wire conventional model) as needed:

- D4S – Sensor component only
- D4P120 – Power board component only

Please contact your local rep or regional sales manager for any additional information.

Does System Sensor manufacture InnovairFlex products?

System Sensor manufactures all of our products, including InnovairFlex, in-house. At System Sensor, we create products for our customers that are convenient to install, efficient to operate and offer the highest level of reliability. System Sensor has dedicated teams to support design and quality of our products to guarantee customer satisfaction.

What the System Sensor distribution plan for InnovairFlex?

InnovairFlex will be available in all existing distribution channels for System Sensor products.

Please contact your local rep or regional sales manager for price information.

Where can I find out more details about InnovairFlex?

For more information, please visit www.systemsensor.com/flex.



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