

D2 Conventional Duct Detector

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Overview:













The InnovairFlex 2-wire photoelectric duct smoke detector features a pivoting housing that fits both square and rectangular footprints, capable of mounting to a round or rectangular duct.

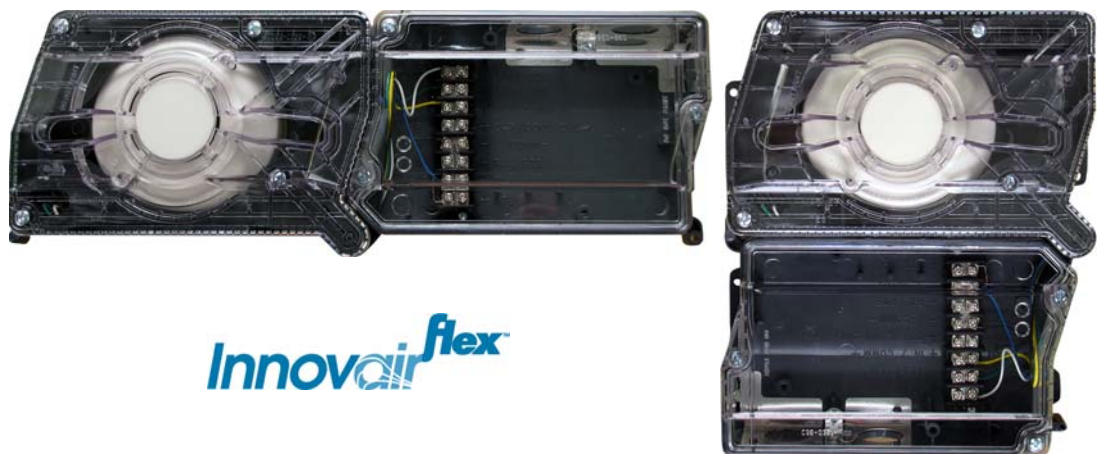
These units sense smoke in the most challenging conditions, operating in airflow speeds of 0.5 to 20 meters per second, temperatures of -20°C to 70°C, and a humidity range of 0 to 95 percent (non-condensing).

An improved cover design isolates the sensor head from the lowflow feature for simple maintenance. A cover tamper feature indicates a fault signal for a removed or improperly installed sensor cover. The InnovairFlex housing provides a 20mm conduit knockout and ample space for wiring.

The InnovairFlex duct smoke detector can be customized to meet local requirements and specifications without additional wiring. The product line is compatible with all previous Innovair models, including remote test accessories, but does utilise a new sampling tube range.

Features:

-  Utilises standard plug-in conventional photoelectric smoke detector (included)
-  Integrated low-flow technology
-  Air Velocity rating from 0.5m/s to 20m/sec.
-  Versatile mounting options: square or rectangular configuration
-  Broad ranges for operating temperature (-20°C to 70°C) and humidity (0% to 95% non-condensing)
-  Patented sampling tube installs from front or rear of the detector with no tools required
-  Cover tamper signal
-  Large wiring space with 3 x 20mm conduit knockouts
-  Remote testing capability (with external power and RTS451KEY)
-  Improved LED status
-  24 VDC
-  Backward compatibility with existing Innovair products, including remote accessories



Innovairflex

The InnovairFlex™ Series are the only duct smoke detectors flexible enough to fit configurations from square to rectangular and everything in between.

Specifications:

Physical

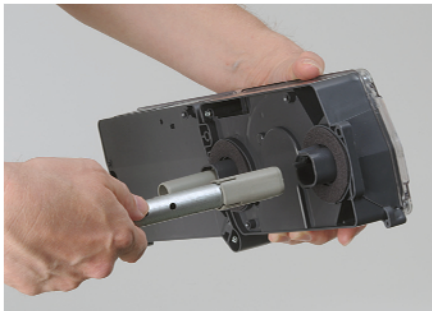
Size: (Rectangular):	370mm (l) x 127mm (w) x 66mm (d)
(Square):	197mm (l) x 229mm (w) x 66mm (d)
Weight:	0.82 kg
Operating Temperature Range:	-20°C to 70°C
Storage Temperature Range:	-30°C to 70°C
Operating Humidity Range:	0% to 95% non-condensing
Duct Air Velocity:	0.5 to 20m/s

Electrical

Voltage Range:	8.5 – 35 Volts DC peak
Power up time	35 seconds max
Alarm response time:	15 seconds
Standby Current (max):	60µA (average)
Alarm Current (max):	130mA

Installing the InnovairFlex Sampling Tube

The InnovairFlex sampling tube may be installed from the front or rear of the detector. The tube locks securely into place and can be removed by releasing the front or rear locking tab (front locking tab shown below right).



Ordering Information:

Description

Conventional photoelectric low-flow duct smoke detector
Metal sampling tube duct width up to 0.3m (1 ft)
Metal sampling tube duct widths 0.3 to 0.6 m (1 ft to 2 ft)
Metal sampling tube duct widths 0.6 to 1.2 m (2 ft to 4 ft)
Metal sampling tube duct widths 1.2 to 2.4 m (4 ft to 8 ft)
Metal sampling tube duct widths 2.4 to 3.7 m (8 ft to 12 ft)
Remote Test Station with key lock

Part Number

D2
DST1
DST1.5
DST3
DST5
DST10
RST451 KEY

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