

DNR Analogue Duct Detector

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Overview:

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

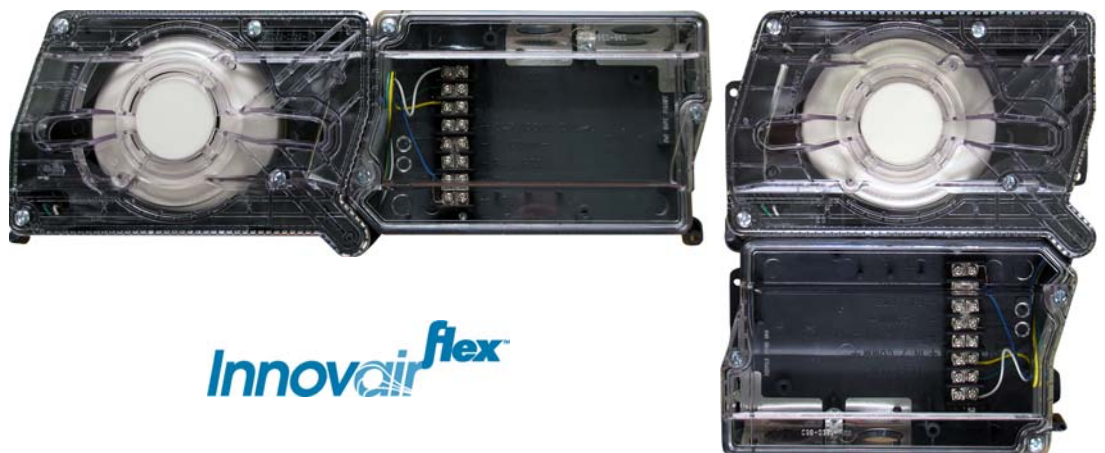
These units sense smoke in the most challenging conditions, operating in airflow speeds of 0.5 to 20 meters per second, temperatures of -20°C to 70°C, and a humidity range of 0 to 95 percent (non-condensing).

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 analogue photoelectric smoke detector (supplied separately)
- 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 and space to mount an analogue control module
- Remote testing capability (with external power and RTS451KEY)
- Requires only analogue loop power



Innovairflex

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

Note: The DNR Analogue Duct detector does not include the detector head.

Specifications:

Physical

Size: (Rectangular):	370mm (l) x 127mm (w) x 66mm (d)
(Square):	197mm (l) x 229mm (w) x 66mm (d)
Weight:	0.73 kg
Operating Temperature Range:	-10°C to 49°C
Storage Temperature Range:	-30°C to 70°C
Operating Humidity Range:	15% to 90% non-condensing
Duct Air Velocity:	0.5 to 20m/s
Voltage Range:	15 – 32 Volts DC peak (2251BPI supplied separately)
Detector Standby Current (max):	360µA @ 24VDC with communication
LED Current (max):	6.5mA @ 24 VDC

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).



Installing a control module

Snap off the small corner tabs from the mounting plate of the module (M500S, M500R or M500CH) and mount the module in the wiring compartment of the DNR, using the plastic mounting pillar provided.



Ordering Information:

Description

Intelligent non-relay photoelectric low-flow duct smoke detector
Photoelectric analogue 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

DNR
2251BPI
DST1
DST1.5
DST3
DST5
DST10
RST451 KEY

PERTRONIC INDUSTRIES PTY LTD

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