

DNR(W) InnovairFlex

Intelligent Duct Smoke Detector



Intelligent Devices

GENERAL

The Notifier InnovairFlex DNR-AUS intelligent photo-electric duct smoke detector and DNRW-AUS watertight non-relay photoelectric duct smoke detector feature a pivoting housing that fits both square and rectangular footprints capable of mounting to a round or rectangular duct.

DNRW-AUS duct smoke detector, with its IP66 rating, is listed as a watertight enclosure providing protection against falling dirt, rain, and windblown dust, splashing and hose directed water, allowing operators to use the detector in the most extreme environments.

These units sense smoke in the most challenging conditions, operating in airflow speeds of 0.5 to 20.32 metres per second, temperatures of -20° C to 70° C, and a humidity range of 0% to 95% (non-condensing).

An improved cover design isolates the sensor head, which allows for ease of maintenance. A cover tamper feature indicates a fault signal for a removed or improperly installed sensor cover. The Notifier InnovairFlex housing provides a 20 mm conduit knockout and ample space to facilitate easy wiring and mounting of a relay module.



DNR-AUS



DNRW-AUS

FEATURES

- Photoelectric, integrated low-flow technology
- Air velocity rating from 0.5 m/s to 20.32 m/s
- Versatile mounting options: square or rectangular configuration
- Replaceable plug-in sensor heads
- Broad ranges for operating temperature (-20°C to 70°C) and humidity (0% to 95% non-condensing)
- Patented sampling tube installs from front or back of the detector with no tools required
- Cover tamper signal
- Increased wiring space with a newly added 20mm conduit knockout
- Clear cover for convenient visual inspection
- Remote testing capability
- Compatible with all previous Innovair models
- Compatible with the Notifier range of addressable Fire Alarm Control Panels

ACCESSORIES

Notifier provides system flexibility with a variety of accessories, including remote test stations and different means of visible and audible system annunciation.

AGENCY LISTINGS AND APPROVALS

- AS1603.13:1998
- Activfire certificate: afp-2424
- NZ Equipment Register: DNR-AUS NI/324; DNRW-AUS NI/325

PRODUCT LINE INFORMATION

DNR-AUS: Intelligent non-relay photoelectric low flow smoke detector housing. Requires photoelectric smoke detector (sold separately).

DNRW-AUS: Watertight Intelligent non-relay photoelectric low flow smoke detector housing. Requires photoelectric smoke detector (sold separately).

FSP-851AUS: FlashScan low-profile photoelectric smoke detector.

SDX-851AUS: CLIP low-profile photoelectric smoke detector.

DST1: Metal sampling tube to suit duct widths up to 0.3m

DST3: Metal sampling tube to suit duct widths 0.6m - 1.2m

DST5: Metal sampling tube to suit duct widths 1.2m - 2.4m

DST10: Metal sampling tube to suit duct widths 2.4m - 3.7m

ETX: Metal exhaust tube

SPECIFICATIONS

Mechanical Specifications

Dimensions: (Rectangle) 37cm Length; 12.7cm Width; 6.6cm Depth

Dimensions: (Square) 19.7cm Length; 22.9cm Width; 6.6cm Depth

Weight: 0.73kg

Environmental Specifications

Operating Temperature: 20°C to 70°C

Operating Humidity: 0% to 95% relative humidity (non-condensing).

Ingress Protection: IP66 (DNRW only)

Electrical Specifications

Please see photoelectric detector installation manual for electrical specifications.

Airflow Specifications

Air Duct Velocity: 100 to 4,000 ft/min (0.5 to 20.32 m/s).



This document is not intended for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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