

InnovairFlex Series

Intelligent Duct Smoke Detector



Intelligent/Addressable 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 trouble 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.

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



DNR-AUS



DNRW-AUS

- 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
- Accommodates the installation of an addressable relay module, sold separately, (FRM-1) for applications requiring a form-C relay
- Compatible with all previous Innovair models
- Compatible with the Notifier range of analogue addressable panels using compatible sensor head

Approvals

CSIRO ActivFire listed to
AS1603.13 - 1998

Specifications

Dimensions: Rectangular Square	37cmL x 12.7cmW x 6.6cmD 19.7cmL x 22.9cmW x 6.35cmD
Environmental Rating:	IP66 DNRW-AUS Only
Operating Temperature Range:	-20°C to 70°C
Storage Temperature Range:	-30°C to 70°C
Operating Humidity Range:	0% to 95% relative (Non-condensing)
Air Duct Velocity:	0.5 to 20.32 m/s
Electrical Ratings:	Please see detector head installation manual for electrical specifications

SENSITIVITY SETTINGS

See Detector head information.

Product Line Information

- DNR-AUS** Intelligent non-relay photoelectric low-flow duct smoke detector
DNRW-AUS Watertight intelligent non-relay photoelectric low-flow duct smoke detector



- DST1.5** - Metal sampling tube for duct widths up to 0.3m to 0.6m
DST3 - Metal sampling tube for duct widths up to 0.6m to 1.2m
DST5 - Metal sampling tube for duct widths up to 1.2m to 2.4m
DST10 - Metal sampling tube for duct widths up to 2.4m to 3.7m
ETX - Metal exhaust tube for duct widths up to 0.3m

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