

Tubo de Muestreo para Detector de Humo en Ductos / Ancho 1.2 a 2.4 m (3.9 a 7.9 ft) / Instalación sin Herramientas / Metal

SKU: DST-5 Marca: SYSTEM SENSOR Categoría: Accesorios

Garantía: 3 años

$607.72

Precios con IVA incluido

DESCRIPCIÓN

El tubo de muestreo DST5 es un accesorio metálico diseñado para instalarse en detectores de humo para ductos de la serie InnovairFlex DNR y DNRW. Su función consiste en captar la muestra de aire presente en el interior del ducto para que el sensor pueda analizarla y detectar la presencia de humo en la corriente de ventilación. Está construido en metal para soportar las condiciones dentro del ducto y es compatible con configuraciones de ducto tanto redondas como rectangulares. El acoplamiento se realiza sin necesidad de herramientas, ya sea por la parte frontal o posterior del detector, y cuenta con una pestaña de bloqueo que asegura la pieza en su lugar. Está diseñado para ductos con un ancho de 1.2 a 2.4 m (3.9 a 7.9 ft), por lo que resulta adecuado para sistemas de ventilación y aire acondicionado en entornos comerciales e industriales donde se requiere supervisión activa de humo en la corriente de aire.

Características Generales
Compatible con detectores de humo en ductos InnovairFlex DNR y DNRW
Cubre anchos de ducto de 1.2 a 2.4 m (3.9 a 7.9 ft)
Instalación sin herramientas por la parte frontal o posterior del detector
Asegurado mediante pestaña de bloqueo frontal o posterior
Fabricado en metal para uso dentro del ducto
Compatible con configuraciones de ducto redondas y rectangulares

Desempeño
Rango de ancho de ducto: 1.2 a 2.4 m (3.9 a 7.9 ft)
Compatible con ductos redondos y rectangulares

Físicas / Mecánicas
Material: metal
Instalación: frontal o posterior sin herramientas
Aseguramiento: pestaña de bloqueo frontal o posterior

Compatibilidad
Detectores InnovairFlex DNR
Detectores InnovairFlex DNRW

ESPECIFICACIONES

Característica 1	**Captura de muestra de aire en ductos para análisis de humo**
Característica 2	**Instalación por frontal o posterior sin herramientas**
Característica 3	**Pestaña de bloqueo que asegura posición en el detector**
Característica 4	**Construcción metálica para resistencia dentro del ducto**
Característica 5	**Compatible con ductos de configuración redonda y rectangular**
Característica 6	**Diseñado para ductos de 1.2 a 2.4 m (3.9 a 7.9 ft) de ancho**

MEMORIA TÉCNICA · DST-5

Número de parte de esta ficha: DST-5. La información corresponde a esta variante.

Agency Listings
Intelligent Non-Relay
Photoelectric Duct
Smoke Detector
The InnovairFlex
™
- Series are the only duct smoke
detectors flexible enough to fit configurations from
square to rectangular and everything in between.
Features
- Photoelectric, integrated low-flow technology
(detector head sold separately)
- Air velocity rating from 100 ft/min to 4,000 ft/min
- Adjusts to square and rectangular mounting configurations
- Broad ranges for operating temperature (−4°F to 158°F) and
humidity (0% to 95% non-condensing)
- Patented tool-free, plug-in sampling tubes
- New cover tamper signal
- Increased wiring space with a new ¾-inch conduit knockout
- Housing has space for mounting a relay module
- Easily accessible code wheels on sensor head (sold separately)
- Clear cover for convenient visual inspection
- UL 268A listed
- Remote testing capability
- Requires com line power only
- NEMA Type 4 UL listed for non-hazardous indoor and outdoor
applications (DNRW only)
- UV-resistant, UL-listed housing and cover material
(DNRW only)
The InnovairFlex Series DNR and DNRW are intelligent
(addressable) non-relay photoelectric duct smoke detectors.
Like all InnovairFlex detectors, the DNR and DNRW both feature
an adjustable housing design that fits square and rectangular
installation footprints, mounts to both round and rectangular
ductwork, and utilizes tool-free, plug-in sampling tubes for increased
application flexibility and installation ease.
These units sense smoke in challenging conditions, operating in
airflow speeds of 100 to 4,000 feet per minute, temperatures of −4°F

to 158°F, and a humidity range of 0 to 95 percent (non-condensing).
For even more extreme environments like rooftops, the DNRW's NEMA 4-rated watertight and UV-resistant housing protects against windblown dirt and dust, rain, and hose directed water, enabling it to be installed without a costly enclosure, saving time and money.
The InnovairFlex housing cover isolates the sensor head from the low-flow feature for simple maintenance, and a cover tamper feature initiates a trouble signal for a removed or improperly installed sensor cover. The housing also provides a ¾-inch conduit knockout and ample space to facilitate easy wiring and mounting of a relay module to meet specific application requirements. These detectors can be customized to meet local codes and specifications without additional wiring.
The InnovairFlex line is compatible with all previous Innovair models, including remote test accessories, for easy retrofits.
WARNING: Duct smoke detectors have specific limitations.
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- A05-0422-005
InnovairFlex Duct Smoke Detector Specifications
Architectural/Engineering Specifications
The air duct smoke detector shall be a System Sensor InnovairFlex™ DNR Intelligent Non-Relay Photoelectric Duct Smoke Detector and DNRW Watertight NEMA 4 Duct Smoke Detector. The detector housing shall be UL listed per UL 268A specifically for use in air handling systems. The flexible housing of the duct smoke detector fits both square and rectangular footprints. The detector shall operate at air velocities of 100 ft/min to 4,000 ft/min (0.5 m/sec to 20.32 m/sec). The unit shall be capable of providing a trouble signal in the event that the sensor cover is removed or improperly installed. It shall be capable of local testing via magnetic switch or remote testing using the RTS151KEY remote test station. Terminal connections shall be of the strip and clamp method suitable for 12–18 AWG wiring.
Electrical Ratings
Please see detector head installation manual for electrical specifications
Accessory Current Loads at 24 VDC
Device Standby Alarm
RA100Z 0 mA 12 mA Max.
RTS151/RTS151KEY 0 mA 12 mA Max.
Physical Specifications Size: (Rectangular)
- (Square)
14.38 in (37 cm) Length; 5 in (12.7 cm) Width; 2.5 in (6.6 cm) Depth
7.75 in (19.7 cm) Length; 9 in (22.9 cm) Width ; 2.5 in (6.35 cm) Depth
Weight: 1.6 lb (0.73 kg)
Environmental Rating: NEMA 4 (DNRW only)
Operating Temperature Range: –4°F to 158°F (–20°C to 70°C)
Storage Temperature Range: –22°F to 158°F (–30°C to 70° C)
Operating Humidity Range: 0% to 95% relative humidity (non-condensing)
Air Duct Velocity: 100 to 4,000 ft/min (0.5 to 20.32 m/s)
DCOIL (if included): 17.5 – 26.4 VDC, 95 mA max
Installing the InnovairFlex Sampling Tube
The InnovairFlex sampling tube may be installed from the front or back 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).
- A05-0422-005
(+)
(-)
RA100Z
– RA
+ RA
REMOTE ALARM LED
OPTION 1 PER UNIT
EXTERNAL
(-) POWER (+)
SUPPLY*
RTS151/RTS151KEY
REMOTE TEST STATION
LED OPTION
1 PER UNIT
TEST COIL OPTION
1 PER UNIT
95 mA CURRENT DRA W
4 5
321
TEST COIL +
TEST COIL –
COMM +
OUT (CONV ONLY) +
COMM –
RA/RTS –
RA +
RTS +
DNR to RTS151/RTS151KEY with DCOIL Option*:DNR to RTS151/RTS151KEY with "R" Remote Test Capable Detector Head Option:
- DNR to RA100Z:
System wiring diagram for DNR:
RTS151/RTS151KEY
JUMPER
4
5
3
2
1
TEST COIL +
TEST COIL –
COMM +
OUT (CONV ONLY) +
COMM –
RA/RTS –
RA +
RTS +
Wiring for Intelligent Non-Relay Duct Smoke Detector
COMM.
LINE (+)
UL/FM LISTED
CONTROL
PANEL
1ST
DETECTOR
IN LOOP
2ND
DETECTOR
IN LOOP
COMM.
LINE (–)
COMM.
LINE

*Important Notes
- The use of either the RTS151 or RTS151KEY requires the installation
of an accessory coil, DCOIL, sold separately. Please refer to the DNR
or DNRW installation manual for more information.
- The RTS151/RTS151KEY test coil circuit requires an external 24 VDC
power supply which must be UL listed.
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current product information, including the latest version of this data sheet.
A05-0422-005 • 9/10 • #2470
Accessories
System Sensor provides system flexibility with a variety of accessories, including two remote test stations and different means of visible and
audible system annunciation. As with our duct smoke detectors, all duct smoke detector accessories are UL listed.
RTS151 UL S2522
RA100Z UL S2522RTS151KEY UL S2522
Ordering Information
Part No. Description
DNR Intelligent non-relay photoelectric low-flow duct smoke detector
DNRW Watertight intelligent non-relay photoelectric low-flow duct smoke detector
Accessories
DCOIL Remote test coil required with
RTS451/RTS451KEY/RTS151/RTS151KEY
ETX Metal exhaust tube duct width 1ft (0.3 m)
DST1 Metal sampling tube duct width up to 1ft (0.3m)M02-04-00 Test magnet
DST1.5 Metal sampling tube duct widths 1 ft to 2 ft (0.3 to 0.6 m) RA100Z Remote annunciator alarm LED
DST3 Metal sampling tube duct widths 2 ft to 4 ft (0.6 to 1.2 m)RTS151 Remote test station
DST5 Metal sampling tube duct widths 4 ft to 8 ft (1.2 to 2.4 m)RTS151KEY Remote test station with key lock
DST10 Metal sampling tube duct widths 8 ft to 12 ft (2.4 to 3.7 m)DH400OE-1 Weatherproof enclosure
P48-21-00 End cap for metal sampling tubes

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