

Conventional Duct Detectors DH100 Series Low Flow

• Melbourne

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Overview:

The DH100 Series Low-Flow photoelectric duct smoke detectors are capable of sensing smoke in air velocities from 0.5 to 20 m/sec.



The Innovair range features low-flow technology that enables duct smoke detection throughout a broad range of airflow environments. Many difficult to solve HVAC applications occur in low airflow ducts where reliable smoke detection is critical. Innovair low-flow technology can detect smoke at air speed velocities of 30 meters per minute or greater, while continuing the same reliable performance to 1200 meters per minute.

The DH100 Series Detector samples air currents passing through a duct and gives dependable performance for shutdown of fans, blowers, and air conditioning systems, preventing the spread of toxic smoke and fire gases through the protected area.






Features:

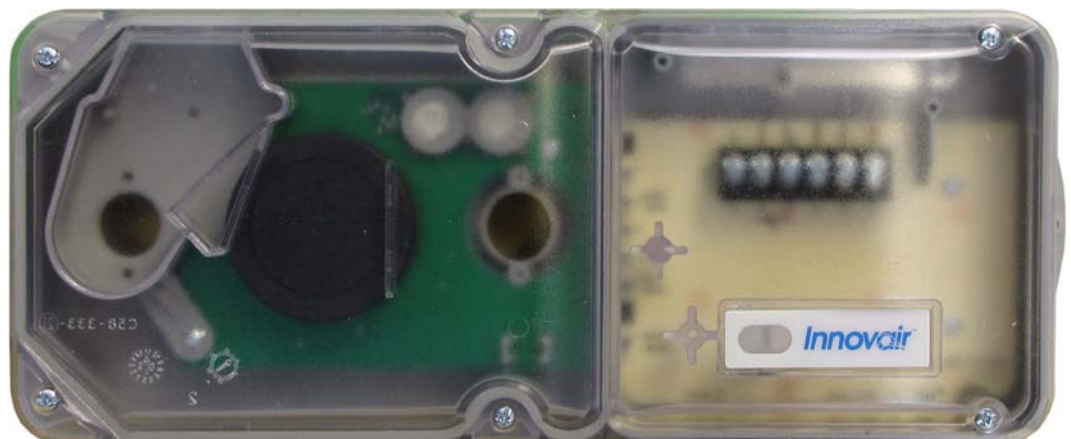
-  Patented telescopic sampling tube (for ducts up to 0.46m (1.5 feet))
-  Sampling tubes available 0.9m, 1.5m and 3m
-  Easy and quick mounting to round or rectangular ducts from 0.3 – 3.7 meters wide
-  Transparent cover for convenient visual inspection
-  Easy to clean
-  Built in reset button

DH100LP (non-relay)

-  2 Wire operation
-  Remote LED output and remote test (24 VDC)

DH100ACDCLP (relay)

-  4 Wire operation
-  24 VAC/DC or 120/230 VAC operation
-  Remote LED output, remote test and reset options
-  Alarm and fault relay contacts
-  Two sets of auxiliary alarm changeover relay contacts



DH100LP

Specifications:

DH100LP and DH100ACDCLP

Size:	370mm (l) x 140mm (w) x 70mm (d)		
Operating Temperature Range:	0° to 55° C		
Operating Humidity Range:	10% to 93% relative humidity, non-condensing		
Duct Air Velocity:	0.5 – 20 m/s		
Accessory Current Loads at 24VDC	Standby	Alarm	
RTS451KEY	0mA	7.5mA Max	

DH100LP

Weight:	1.5kg
System voltage:	8.5 to 35VDC
Standby Current:	120µA Max
Alarm Current:	100mA Max (must be limited by control panel)

DH100ACDCLP

Weight:	1.7kg			
Power Supply Voltage:	20-29VDC	24VAC	120VAC	230VAC
Max standby current:	15mA	35mA RMS	25mA RMS	15mA RMS
Max alarm current:	70mA	125mA RMS	35mA RMS	25mA RMS
Alarm response time:	2 to 17 sec	2 to 17 sec	2 to 17 sec	2 to 17 sec
Power up time:	34 sec	34 sec	34 sec	34 sec
Contact Ratings:				
Alarm Initiating (Normally Open):	2.0A @ 30VDC (resistive)			
Fault (Normally Closed):	2.0A @ 30VDC (resistive)			
Auxiliary Alarm (2 x changeover):	10A @ 30VDC, 10A @ 230VAC			

Ordering Information:

Description

2 wire photoelectric duct detector
4 wire photoelectric duct detector
Duct Sampling Tube 0.91m (3 foot)
Duct Sampling Tube 1.52m (5 foot)
Duct Sampling Tube 3.05m (10 foot)
Remote test station with keyswitch

Part Number

D100LP
DH100ACDCLP
ST-3
ST-5
ST-10
RTS451KEY

PERTRONIC INDUSTRIES PTY LTD

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