

Analogue Duct Detectors DH200 Series Low Flow

• Melbourne

Unit B2
2A Westall Rd
Springvale
VIC 3171
Tel (03) 9562 7577
Fax (03) 9562 8044
sales.vic@pertronic.com.au

• Sydney

Unit 19
287 Victoria Rd
Rydalmere
NSW 2116
Tel (02) 9638 7655
Fax (02) 9638 7688
sales.nsw@pertronic.com.au

• Brisbane

Unit 3
23 Anthony St
West End
QLD 4101
Tel (07) 3255 2222
Fax (07) 3255 1122
sales.qld@pertronic.com.au

• Adelaide

65 Manton St
Hindmarsh
SA 5007
Tel (08) 8340 9533
Fax (08) 8340 9544
sales.sa@pertronic.com.au

www.pertronic.com.au







Overview:

The DH200 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 DH200 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:

-  Direct decade address selection
-  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

DH200PL (non-relay)

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

DH200RPL (relay)







-  4 wire operation
-  24 VAC/DC or 120/230 VAC operation for use of relay contacts
-  Remote LED output and remote test options
-  Two sets of auxiliary changeover relay contacts



DH200PL

Specifications:








DH200PL and DH200RPL

 Size:	370mm (l) x 140mm (w) x 70mm (d)		
 Standby Current (Loop):	300µA		
 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	

DH200PL

 Weight:	1.5kg
 Voltage Range	15 to 32V DC

DH200RPL

 Weight:	1.8kg			
 Power Supply Voltage:	20-30VDC	24VAC	120VAC	220/240VAC
 Max standby current	26mA	65mA RMS	44mA RMS	25mA RMS
 Max alarm current	87mA	182mA RMS	52mA RMS	30mA RMS
 Alarm response time	3 to 17 sec	3 to 17 sec	3 to 17 sec	3 to 17 sec
 Power up time	2 sec	2 sec	2 sec	2 sec
 Contact Ratings				
Fault (Normally Closed):	2.0A @ 30VDC (resistive)			
Auxiliary Alarm (2 x changeover):	10A @ 30VDC, 10A @ 230VAC			

Ordering Information:

Description

Photoelectric non-relay duct smoke detector
Photoelectric relay duct smoke 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

DH200PL
DH200RPL
ST-3
ST-5
ST-10
RTS451KEY

PERTRONIC INDUSTRIES PTY LTD

Melbourne

Unit B2
2A Westall Rd
Springvale VIC 3171
Telephone: (03) 9562 7577
Fax: (03) 9562 8044
sales.vic@pertronic.com.au

Sydney

Unit 19
287 Victoria Rd
Rydalmere NSW 2116
Telephone: (02) 9638 7655
Fax: (02) 9638 7688
sales.nsw@pertronic.com.au

Brisbane

Unit 3
23 Anthony Street
West End Qld 4101
Telephone: (07) 3255 2222
Fax: (07) 3255 1122
sales.qld@pertronic.com.au

Adelaide

Unit 3
65 Manton Street
Hindmarsh 5007
Telephone: (08) 8340 9533
Fax: (08) 8340 9544
sales.sa@pertronic.com.au