

Section 6.1.4: Analogue Addressable – Ancillaries

The duct housing samples air currents passing through the duct and gives dependable performance for shutdown of fans, blowers, and air conditioning systems locally or across the loop, preventing the spread of toxic smoke and fire gases through the protected area.

- Available in two loop powered versions:
 - Extra low voltage, clean contacts outputs for switching local devices – DH500ACDC-E
 - No external contacts – DH500
- 24V AC/DC operation – DH500ACDC-E
- For use with TC800 or System Sensor protocol
- Continuous sensitivity monitoring from the panel
- Analogue addressable photo heads with twist-in/twist-out removal
- Air velocity rating from 2.5 m/s to 20 m/s
- Clear polycarbonate cover for easy visual inspection of sampling tube filters

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For use with TC800 or System Sensor Protocol

Duct Sensor Housing with B501 Intelligent detector base* **DH500**

Duct Sensor Housing with (separately powered) change over contacts (not mains rated) with B501 Intelligent detector base* (TC800) **14506873-011**
(System Sensor) **DH500ACDC-E**

Photoelectric Sensor (TC800) **TC806E1012M01**
(System Sensor) **2251EM**

Accessories – for both protocols

10 foot Sampling Tube	ST-10
5 foot Sampling Tube	ST-5
3 foot Sampling Tube	ST-3
1.5 foot Sampling Tube	ST-1.5

* Sensor purchased separately.

Contact Honeywell Building Solutions for further information concerning module accessories.



Duct Detector

TECHNICAL SPECIFICATION		
Type	DH500	DH500ACDC-E / 14506873-011
Requires separate Power Supply Unit	No	YES =>500mA (see note 1)
Operating Voltage Range	15 to 32V dc	20 to 30V dc 20.6 to 26.4V ac
Maximum Standby Current	200µA at 24V dc (no communications)	26mA @ 24V dc 65mA RMS @ 24V ac
Maximum Alarm Current (LED On)	7mA at 24V dc	87mA @ 24V dc 182mA RMS @ 24V ac
Contact Rating	N/A	10A @ 30V dc (resistive)
Application Temperature Range	0°C to +49°C	0°C to +49°C
Relative Humidity	10 to 93% (non-condensing)	10 to 93% (non-condensing)
Weight	2.0 kg (inc packing)	2.0 kg (inc packing)
Duct air velocity	2.5m/s to 20m/s	2.5m/s to 20m/s
Relevant Standards	No European Standard at present – designed in accordance with UL 268A	No European Standard at present – designed in accordance with UL 268A
Approvals	N/A	N/A

Note 1: AC/DC @ 300mA RMS

Dimensions (mm)

