

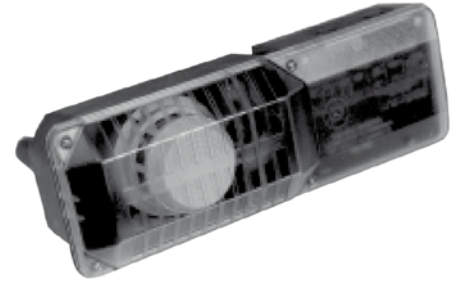
ANALOGUE - Duct Smoke Detector

Model DH500

Overview

Features

- Continuous sensitivity monitoring from the panel
- Analogue addressable ion/photo heads with twist in/twist-out removal
- Remote test station and remote annunciator accessories
- Clear polycarbonate cover for easy visual inspection of sampling tube filters
- Air velocity rating from 20 m/s with 2251EM and 7.6m/s with 1251E
- Operates from the control panel communication line
- Remote LED output



Description

System Sensor's DH500 duct detector features the superior capabilities of an intelligent sensor in a unit that is easy to install and maintain. The DH500 series duct housing 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.

The model DH500 duct housing can accommodate either the 1251E or 2251EM. The twist-in, twist-out heads allow for quick and easy cleaning or application changes without removing the duct housing.

These detectors communicate and are continuously monitored through the communication line. Detector sensitivity changes caused by dirt, smoke, temperature or humidity are reported to the panel, allowing compensation algorithms to maintain the sensor's set sensitivity. An advance indication at the panel specifies the sensor address, allowing for selected maintenance to be performed.

Architect/Engineer Specifications

DH500 Duct Smoke Detector

Electrical Specifications (by point detector used)

Operating Voltage Range	15 to 32VDC
Maximum Standby Current	230µA @ 24VDC (no communications)
Maximum Average Standby Current	330µA (One Communication each 5 seconds with LED blink enabled)
Power up surge at max. rated voltage	1.5mA/sec
LED Current (nominal)	6mA at 24VDC

Environmental Specifications

Application Temperature Range	-0°C to +49°C
Humidity	10 to 93% Relative Humidity (non-condensing)

Mechanical Information

Length	368mm
Width	127mm
Depth	102mm
Weight	1.8kg (inc packing)
Duct air velocity	2.5m/s to 20m/s

System Sensor Europe (Technical Services)

Charles Avenue
Burgess Hill
RH15 9TQ
United Kingdom

Tel: +44 (0)1444 238820

Fax: +44 (0)1444 248123

Email: sse.technical@systemsensor.com

www.systemsensoreurope.com

Copyright © 2006 System Sensor. All rights reserved.

All technical data is correct at time of publication and is subject to change without notice. All trademarks acknowledged.

Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.

DSDH500-07