

ANALOGUE ADDRESSABLE DUCT SMOKE DETECTOR DH500

FEATURES:

- *Continuous sensitivity monitoring from the panel*
- *Analogue addressable ion/photo heads with twist-in/twist-out removal*
- *Air velocity rating from 2.5 m/s to 20 m/s*
- *Remote test station and remote annunciator accessories*
- *Clear polycarbonate cover for easy visual inspection of sampling tube filters*
- *Operates from the control panel communication line*
- *Remote LED output*



FIGURE 1: DUCT DETECTOR

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 1551E 2551HRE, 1251E or 2251E. 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.

SPECIFICATIONS:

| | |
|---------------------------------------|---------------------------------------------------------------|
| Operating Voltage Range: | 15 to 32 VDC |
| Max Avg. Standby Current: | 230µA at 24 VDC (no communication) |
| Max Avg. Standby Current: | 330µA (one communication every 5 sec. with LED blink enabled) |
| Power up surge at max. rated voltage: | 1.5mA/sec |
| LED current (nominal): | 6mA at 24VDC |
| Operating Humidity Range: | 10% to 93% Relative Humidity, non-condensing |
| Operating Temperature Range: | -10°C to +60°C |
| Length: | 367mm |
| Width: | 127mm |
| Depth: | 102mm |
| Weight: | 1.8kg |
| Duct air velocity: | 2.5m/s to 20m/s |

EUROPEAN HEADQUARTERS
SYSTEM SENSOR EUROPE
3 HORSHAM GATES
HORSHAM
WEST SUSSEX
RH13 5PJ
UNITED KINGDOM
TEL : +44 1403 276500
FAX : +44 1403 276501
e-mail: Sales@systemsensor.co.uk

EUROPEAN MANUFACTURING CENTRE
PITTMAY TECNOLOGICA SPA
VIA CABOTO 19
34147 TRIESTE
ITALY

TEL : +39 40 9490 111
FAX : +39 40 382137

