



Duct housing with an ALG-AS analogue photoelectric sensor

STANDARD FEATURES

- Detects and limits the spread of smoke throughout building HVAC ducts
- Compatible with building automation and fire alarm systems
- Installs quickly and easily
- No screens or filters to clean
- Rugged gray steel back box with clear cover
- Accessories - Remote LED alarm indication capability
- Meets AS1603.13 Requirements

APPLICATION

The DH-98 Analogue Duct Smoke Detector provides early detection of smoke and products of combustion present in air moving through HVAC ducts in Commercial, Industrial and Residential applications. The DH-98 is designed to prevent the recirculation of smoke in areas by the air handling systems, fans and blowers. Complete systems may be shut down in the event of smoke detection.

PRODUCT DESCRIPTION

The DH-98 is designed and built to meet all local requirements. Output terminals are provided for remote accessories such as a horn, strobe, remote status indicators and reset key switches or push buttons. Air sampling is accomplished by two tubes which protrude into the duct. An exhaust tube of one standard length (7.5") is supplied in the installation kit with the smoke duct unit. Once the duct width has been determined the air intake sampling tubes must be ordered. Sampling tubes are supplied in one standard length 3 ft. Mounting the duct smoke unit is accomplished by the use of a template and 4 sheet metal screws, which are provided. Mounting can be achieved without the removal of the clear cover which is secured by 4 capture screws. The pilot and alarm visual indicators provided on the front of the DH-98 duct unit signal the operating status of the device. A manual test/reset switch is located along side the visual indicators.

SPECIFICATIONS

Duct Detector Model #	DH-98-ASA
Detector Head Model	ALG-AS + ALK-AS
Detector Head Type	Analogue Photoelectric
Operating Voltage	15 Vdc - 30 Vdc
Standby Current	2mAAVG
Alarm Current	8mA
Alarm Contacts	N/A
Sensitivity Test Method	Control Panel
Remote Indication Compatibility (Refer to DH-98 Accessories)	Alarm
Air Velocity	300 to 4000 ft/min
Ambient Temperature	32°F to 120°F (0°C to 49°C)
Humidity	10% to 85% Relative Humidity (non-condensing)
Housing Material	18 G.A. steel backbox, clear plastic cover
Finish	Grey Paint
Dimensions	9 1/8" L X 7 1/4" W X 2 1/4" H
Maximum Net Weight	3 lbs.
Sampling Tubes	3 ft.

Specifications subject to change without notice

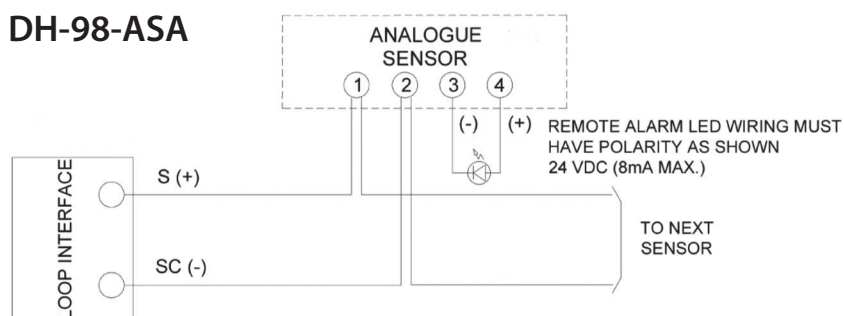
ENGINEERING SPECIFICATIONS

Air duct smoke detectors shall be DH-98 Series. The detectors shall be listed by ACTIVFIRE. The detectors shall operate at air velocities from 300 feet per minute to 4000 feet per minute.

The duct detector housings shall be of metal construction and complete mechanical installation may be performed without removal of the detector cover. The duct detector heads shall not require additional filters or screens which must be maintained. The housing shall contain a base which will accept an analogue photoelectric sensor head. Terminal connections shall be of the screw type and be a minimum of #6 screw. For installations requiring relay function, terminals shall be provided for remote pilot, remote alarm indication, strobe/horn and remote key switch. For installation not requiring relay function, visual indication of alarm and power must be provided on detector front. A manual reset switch shall be located on the front of the device. All wiring must comply with local codes and regulations.

WIRING DIAGRAMS

DH-98-ASA



NOTE.....

The DH-98 is not a self-contained sensor. This product is compatible only with fire alarm control panels that utilise Hochiki's Digital Communications Protocol.

PRODUCT LISTINGS

ACTIVFIRE AFP1569