

## Addressable Intelligent Duct smoke Detector

Model-AA101HD

Features:

- Soft addressing
- Real-time smoke info
- Corrosion protection
- Contamination alarm
- Insect-resistant screening
- Remote test facility from the panel
- Remote sensitivity alteration from the panel
- Easy to maintain/service
- Electrical supervision
- Transient voltage protection up to 2.4KV

Compliedwith:

UL521-7thEdition

EN54-Part5  
IS 2175



### **Airlight Addressable Duct smokeDetector:**

- 1.This Addressable Intelligent Duct Smoke Detector houses smoke sensor for monitoring the level of smoke in the airstream of duct work sections of the HVAC system. This device intended to be used for addressable automatic fire detection system to detect presence of smoke for fire warning.
- 2.This device measures the smoke level in protected areas and analyses the level of smoke and verify with alarm level setting. When smoke level crosses the set level, it communicates to fire warning system control panel along with its ID.

[www.airlight.in](http://www.airlight.in)

# DATASHEET

3. Alarm activated sensor, continuously interacts with control panel to update the real time smoke level exists at reported location. If smoke level rises, action can be taken accordingly. Similarly if it gets reduced, action can be taken for normalcy by rescue staff.

4. The Smoke sensor works on photoelectric principle. Main sensor component is special LED to illuminate the smoke chamber. This LED illumination level gets reduced due to its aging. Hence its sensitivity goes out of sensitivity range. Therefore it requires a periodical calibration to ensure its functional objective.

## Mechanical specifications

Dimensions(LxBxD)	155x150x150mm
Sampling Tube	205mm
Exhausted Tube	220mm

## Electrical specifications

Operating voltage	17-24V DC
Quiescent current	200uA
Alarm current	1mA

## General specifications

Smoke sensitivity	0.5 – 3.5 %obs/foot
Operating temperature	0°C to 49°C
Storage temperature	5°C to 40°C
Humidity	0-95% RH(Non-condensing)
Color	White
Compatibility	AU101X Protocol
Detector Contact Clamp	Stainless steel
Housing Material	16 Gauge Cold Rolled sheet