

DK231 Conventional Heat Detector

SPECIFICATIONS

Operating Voltage Range:	5 to 28 VDC
Standby Current:	<120µA @ 24 VDC (every 8 seconds with LED blink enabled)
Maximum Alarm Current :	<30 mA @ 24 VDC (Led on)
Operating Humidity Range:	10% to 93% Relative Humidity, Non-condensing
Class:	Class A1
Operating Temperature Range:	-10°C to 50°C
Height:	44 mm (installed with base)
Diameter:	100 mm
Weight:	105 grams



GENERAL DESCRIPTION

The detector is intelligent sensors that utilize a state-of-the-art thermistor sensing circuit for fast response. These sensors are designed to provide open area protection with 50 foot spacing capability. DK231 heat detector is Class A1 (EN54-5) heat detector.

INSTALLATION



The fire detector consists of two main parts: a base and a detector head. The latter consists of a circuit board and an optimized heat detection element. The detector head is fixed on the base by the means of bayonet joints. When the detector head is placed on the base, make sure that the bench mark stands about 10mm before the respective bench mark on the base; then rotate clockwise to fix. The bench marks should fully coincide. The contacting plates are fixed to the base. The connection between the incoming wires and the contact plates is made by the provided screw terminals.

WIRING

The wiring should be done as shown in figure 1. Proper wire gauges should be used. The installation wires should be color-coded to limit wiring mistakes and ease system troubleshooting. Improper connections will prevent a system from responding properly in the event of a fire.

Remove power from the communication line before installing sensors.

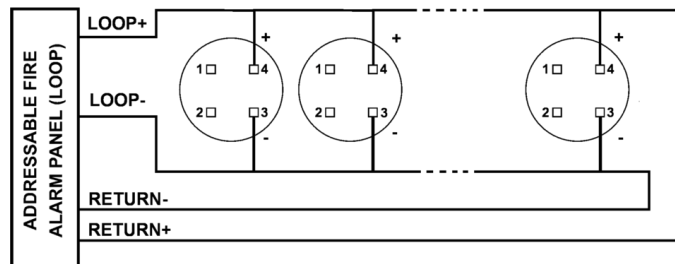


Figure 1- Wiring Connection

