



ANALOGUE ADDRESSABLE HEAT DETECTOR IQ568D-H

DIP-switch addressed heat detector for 2-wire systems

Description

iQ568D analogue addressable heat detectors are microprocessor controlled state-of-the-art analogue addressable detectors suitable for connection to addressable fire detection control and indicating equipment. Up to 254 detectors can be connected to each alarm zone loop.

An electronic thermistor sensor provides sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded.

The iQ568D range of analogue addressable detectors provides fire detection and alarm system designers with Standards-compliant, premium heat detector for property protection applications¹ where smoke or multi-sensor detectors may not be suitable due to environmental conditions.



iQ568D-H analogue addressable heat detector

Features

The iQ568D heat detectors are available with numerous attractive features.

- Advanced algorithms provide true analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- Durable sensor. No adjustment or replacement required
- Sleek low-profile housing design
- Dual LEDs for 360° visibility
- DC 24 V operation
- Convenient 2-wire connection
- Easy installation with simple address setting DIP switches
- Up to 254 detectors can be connected to each alarm zone loop
- Optional remote LED output
- Base options include
 - Low profile 100 mm diameter base
 - High profile 100 mm base for mounting on hard surfaces with conduit cable entry
 - Low profile 150 mm diameter base
 - Isolator base
 - Sounder base
 - Recessed mounting for base mounting
- Low maintenance

Approvals

iQ568D-H detectors have the following approvals.

UL 521^a	
iQ568D-H	✓
iQ568D-HL	✓

^a UL 521 Heat detectors for fire protective signaling systems



Specifications

	iQ68D-H	iQ568D-HL
Operating voltage	DC (17 ~ 28) V	
Start-up current	≤ 800 μA	
Start-up time	≤ 30 s	
Standby current	≤ 500 μA	
Alarm current (max)	7 mA @ DC 24 V	
Sampling time	1 s	
Reset voltage	≤ 5 V	
Reset time	≤ 30 s	
Alarm response threshold	59 °C fixed temperature and 11.1 °C rate-of-rise	
Remote LED output current (max)	2 mA	
Usable addresses per alarm zone circuit	254	
Operating temperature	-10 °C ~ +37.8 °C ^a	
Operating humidity	0 % ~ 95 % RH, non-condensing	
Storage temperature	-25 °C ~ +80 °C	
Storage humidity	0 % ~ 98 % RH, non-condensing	
Alarm indicator	Two continuous emitting red LEDs	
Dimensions (excluding contacts)	Φ 100 mm × 35 mm	
Ingress protection rating	IP-42	
Ceiling spacing	≤ 10 m	
Area Coverage	50 m ²	

^a Can transit to higher temperatures for heat sensor operation.

Ordering Information

	2-Wire	Nominal Operating Voltage	Remote LED Output
iQ568D-H	✓	DC 24 V	—
iQ568D-HL ^a	✓	DC 24 V	✓

^a Requires 8-terminal base if remote indicator is installed.