

Ei184 - Low Voltage Heat Alarm

with volt free relay contacts
 Alkaline Battery Back-up



Key Features

- ▶ Fast acting thermistor for Class A1 Heat detection
- ▶ Powered by 11-30V DC from panel or external source
- ▶ One volt free contact output (NO/NC)
- ▶ Continuous or pulse mode
- ▶ Hardwire Interconnect
- ▶ Low voltage "easi-fit" type base
- ▶ Test/Silence button
- ▶ 5 year guarantee

Product Description

The Ei184 Heat Alarm is designed to connect to a panel for its low voltage power supply but also as a trigger via a built in relay. The 9V replaceable battery back-up will ensure continuous operation (up to a year) in the event of power supply failure under normal operation.

When sufficient heat is detected, the horn will sound and the relay will switch. The relay can be set up as Pulse or Continuous mode of operation. When supplied it is set to Continuous (ie relay switches while detector is in alarm). If Pulse mode is selected, the relay switches for 5 seconds only when detector goes into alarm.

The Ei184 may operate as a standalone or may be hardwire interconnected to other low voltage Alarms from the same range. In an interconnected system, an Alarm sensing fire will cause all others to alarm and switch contact.

The Alarm is supplied with a low voltage base with an Easi-fit connection to facilitate simple detector head removal and replacement. The base automatically connects both the low voltage power supply and battery as the detector head slides on.

The Alarm automatically monitors the battery every 40 seconds. If it is depleted it will give a short beep every 40 seconds.

The Test and Hush button allows the user to check the operation of the Alarm. This will check the sounder, battery voltage, internal circuitry and relay.

Technical Specification

Sensor Type:	Thermistor (trigger temperature 58°C ± 4°C)
Product life:	10 years
Supply Voltage:	10.5-30V DC
Battery back-up:	9V alkaline battery (replaceable)
Relay contacts:	30V, 1A resistive (NO/NC) Continuous or Pulse mode
Interconnection:	via Hardwire
Sound Level:	85 dB(A) at 3m
Button Test:	Simulates a high temperature and checks sensor, electronics, horn and relay
Indicators:	Green LED - Power Red LED - Self Test, alarm, in hush mode
Normal Operating and Storage Temperature:	Range -10°C to 40°C ¹
Normal Operating and Storage Humidity Range	15 % to 95 % Relative Humidity (non-condensing)
Plastic material:	UL94VO flame retardant
Fixing:	Screw fixing and mounting plate supplied
Dimensions:	Product - 145mm x 70mm Packaged - 155mm x 185mm x 90mm
Weight:	318g (Pack +74g)
Warranty:	5 year (limited) warranty
Approvals:	



KM83678
 BS 5446-2:2003

Manufactured to ISO 9001 quality standards
 Specifications are subject to change

1. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.