

The New Standard in Detection

Sleek, interconnected fire protection without compromise.



EliteAlarms
elitealarms.com

Compact by design, powerful by performance. At just 67mm in diameter and 53mm high, the AHI detector delivers industry leading protection without compromising aesthetics. Engineered for modern living and built to perform, AHI offers advanced fire protection through intelligent technology, uncompromising reliability, and the option of seamless EliteAlarm integration.

Setting the New Standard

The AHI Advantage



10-30V DC Powered

Flexible low voltage operation from a security alarm system or standalone power supply.



10 Year Rechargeable Backup

Sealed 3.7V rechargeable lithium battery delivers 10+ years of maintenance free backup protection. **Power required**



400 Hour Standby Backup

Provides up to 16 days of standby operation during power outages, far exceeding (AS3786:2023) Australian and New Zealand standard requirements.



Standards

Designed to meet AS3786:2023 (AHI-SMOKE), AS1603.3:2018 (AHI-HEAT) and ISO8201 alarm signalling requirements.



Powerful Alarm Output

High-output audible alarm delivering $\geq 85\text{dB}$ at 3 metres for effective occupant notification.



Wired Interconnection

Connect up to 24 detectors. When one alarms, every interconnected detector activates simultaneously.



Find Feature

Following an alarm activation, press the Test button to make the last activated detector flash its LED.



Smart Hush Function

Temporarily silence nuisance alarms for approximately 7 minutes with a simple button press.



Test Mode

Quickly verify operation of individual or interconnected detectors with dedicated testing functions.



Surface or Flush Mount

Standard surface mount installation with an option of flush mount (AHI-FLUSH-RING) for a cleaner, architectural finish.



Remote Test & Hush Control

Optional wall plate (AHI-WALL-PLATE) provides convenient remote Test and Hush functionality without ceiling access.



From contemporary homes and apartments to offices, hospitality venues, and industrial environments, AHI combines advanced detection technology with seamless integration to suit a wide range of applications. Whether you're building new, upgrading an existing system, or specifying for a commercial project, the AHI detector range provides reliable, high performance protection you can trust.

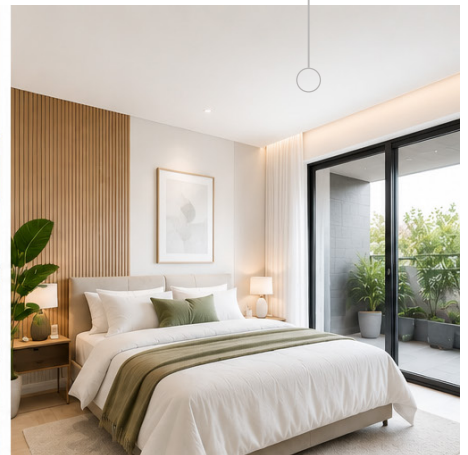
Living Room



Kitchen or
Laundry



Bedroom or
Sleepout



Office or
Hallway



Cafe



Warehouse, Garage
& Workshop

Designed to meet the latest New Zealand and Australian Standards AS3786:2023 (AHI-SMOKE), AS1603.3:2018 (AHI-HEAT), and ISO8201, the AHI range sets a new benchmark in intelligent fire protection. A sealed 10 year rechargeable lithium backup battery eliminates the need for annual battery replacements, reducing environmental impact, lowering maintenance requirements, and delivering lasting peace of mind.





AHI-SMOKE Photoelectric Smoke Detector



Micromesh
Screen



Dual Transmitter
Tubes



Labyrinth Maze
Chamber



Drift
Compensation

Engineered for reliable performance, the AHI-SMOKE features dual transmitter tube technology, an insect resistant micromesh barrier, and a labyrinth optical chamber that protects against false alarms. Intelligent drift compensation continuously self adjusts sensitivity to ensure consistent detection accuracy over time.

Compliance & Certification - Designed to meet

Compliance Standard
Alarm Signal Pattern

AS3786:2023
ISO8201

Detection & Performance

Sensor Type
Sound Output
Alarm Indication
Mute Cycle
Interconnection

Photoelectric Sensor with Dual Transmitter Tubes
>85dB @ 3m
LED & Buzzer
Approximately 7 Minutes
Up to 24 Interconnected Devices

Electrical

Voltage Range
Backup Battery
Maximum Current
Alarm Current
Contacts

10-30V DC
3.7V Rechargeable Lithium
20mA
<60mA
Clean NO/NC Alarm Contacts for
Integration with any Security System

Environmental

Operating Temperature
Operating Humidity

-10°C to +50°C
≤80% RH (Non-Condensing)

Physical

Installation
Material
Colour

Ceiling or Wall Mounted
ABS
White

Ideal for



Bedroom



Living Area



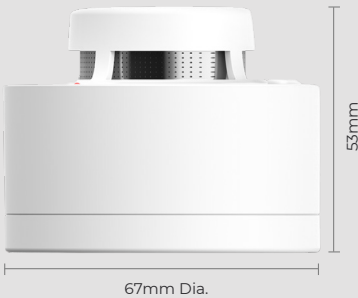
Hallway



Sleepout



Office



Small in size Big on design



AHI-HEAT Thermal RoR Heat Detector



Fast Response
Time



NTC
Thermistor



Designed to Class
A2 Fire Rating



Fault
Monitoring



Engineered for demanding environments, the AHI-HEAT combines advanced NTC thermistor technology with rapid heat detection, making it ideal for kitchens, garages, and utility areas. Intelligent fault monitoring ensures reliable long term performance.

Compliance & Certification - Designed to meet

Compliance Standard
Alarm Signal Pattern

AS1603.3:2018
ISO8201

Detection & Performance

Sensor Type	High-Precision NTC Thermistor
Sound Output	>85dB @ 3m
Alarm Indication	LED & Buzzer
Mute Cycle	Approximately 7 Minutes
Interconnection	Up to 24 Interconnected Devices

Electrical

Voltage	10-30V DC
Backup Battery	3.7V Rechargeable Lithium
Maximum Current	20mA
Alarm Current	<60mA
Contacts	Clean NO/NC Alarm Contacts for Integration with any Security System

Environmental

Operating Temperature	-10°C to +50°C
Operating Humidity	≤80% RH (Non-Condensing)

Physical

Installation	Ceiling or Wall Mounted
Material	ABS
Colour	White

Ideal for



Kitchen



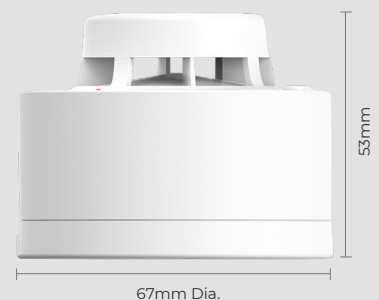
Garage



Laundry Room



Workshop



Small in size **Big on design**



AHI-WALL-PLATE Detector Controller

The AHI-WALL-PLATE is a sleek, wall mounted solution that allows you to remotely test and silence your AHI detectors without accessing ceiling mounted units. Designed to blend seamlessly with modern switch plates, it offers convenient Test and Hush functionality from ground level, eliminating the need for ladders.

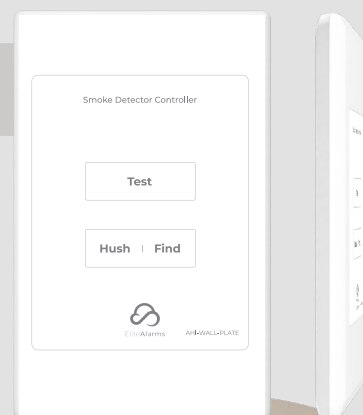
Fully integrated with the EliteAlarms ecosystem, it enables seamless communication between interconnected detectors and your EliteAlarm.

Order code: **AHI-WALL-PLATE**

Features

- Convenient remote Test & Hush functionality
- No ladders or ceiling access required
- Modern wall plate design that blends with existing switchgear
- Monitors all interconnected AHI detectors
- Full EliteAlarms integration and system communication
- Centralised control and monitoring from your alarm system

Dimensions: W75mm x H115mm x D10mm



AHI-FLUSH-RING Flush Mount Accessory

The AHI-FLUSH-RING transforms the AHI detector into a flush mounted solution, delivering a refined architectural finish that blends seamlessly into modern interiors while maintaining industry leading fire protection.

Order code: **AHI-FLUSH-RING**

Features

- Seamless flush mounted appearance
- Enhances modern interior aesthetics
- Designed specifically for AHI-SMOKE & AHI-HEAT detectors
- Ideal for residential and commercial applications
- Integrated spring clips enable rapid installation with no additional fixings required

Dimensions: Outer - W88 x H43mm, Inner - W67mm x H34mm



Installation **Made Easy**



AHI-HOLEWSAW Holesaw Cut-out for AHI-FLUSH-RING

Designed specifically for the AHI-FLUSH-RING, the 75mm AHI-HOLEWSAW makes ceiling preparation fast, accurate, and effortless. It delivers the precise cut out required for a clean, professional installation, ensuring the flush ring and AHI detector fit perfectly every time.

Features

- 75mm hole saw designed specifically for the AHI-FLUSH-RING
- Fast and accurate plaster board ceiling/wall cut-outs
- Ensures a precise, professional finish
- Reduces installation time and measuring errors
- Ideal for new builds, renovations, and retrofit applications

Intelligent Integration. Individual Monitoring.

Each AHI detector can be connected to virtually any alarm system via clean NO/NC alarm contacts, making it an ideal choice for both new installations and upgrades. For enhanced functionality, each detector can also be wired into an individual EliteAlarm input, enabling detector specific push notifications, precise alarm identification, centralised monitoring, and intelligent system control.

Where Performance Meets Flexibility

The AHI Difference



10+ Year
Sealed Battery
Backup



Universal
Alarm
Compatibility



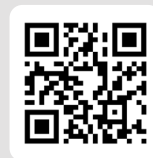
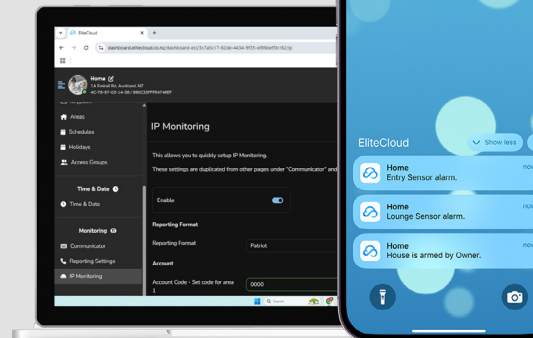
EliteAlarm
Ready



Up to 24
Interconnected
Detectors



Detector
Specific Alarm
Identification



Whether you're protecting a home or business, AHI delivers reliable, professional fire detection with the flexibility to integrate into your existing security system. When paired with an EliteAlarm, AHI unlocks its full potential, providing remote monitoring, advanced notifications, and seamless integration from a single platform. Compatible with virtually any alarm system, AHI is the smart choice for modern fire protection.