

Smoke Alarms

Main Powered with 10 Year Rechargeable Lithium Battery Photoelectric (Optical) Smoke Alarm with built in 10 Yr+ Rechargeable Lithium cells

Model EIPFSPTLH

- Anti-tamper mounting base
- Non removable rechargeable lithium cell as Battery back up
- High performance optical chamber with integral stainless steel insect screen
- Test/Hush button
- Advanced suppression and calibration technology
- Interconnectable to other TL series mains powered alarms
- Low Battery warning
- Built-in auto test facility
- ActivFire Listed to AS 3786
- 5 year guarantee (Limited)



Product Description

The EIPFSPTLH is a photoelectric smoke alarm that runs on 230V AC mains power, and has built in tamper proof non removable rechargeable lithium cells that act as a battery back up in the event of mains failure. These rechargeable lithium cells are designed to have a ten year life and outlast the life of the smoke alarm itself, whilst providing up to six months of smoke alarm operation without mains power.

The EIPFSPTLH is supplied with an anti tamper base and plug in lead that allows very quick and simple installation of the smoke alarm, combined with simple smoke alarm removal and replacement for cleaning.

The EIPFSPTLH has an advanced high performance photoelectric chamber fitted with an integral insect screen to reduce the effects of insects and debris build up which may cause false alarms.

The EIPFSPTLH has the ability to interconnect up to twenty alarms to allow all alarms to sound if just one of the interconnected alarms should be triggered. Interconnecting all alarms significantly increases the audible warning provided and the chances of waking sleeping occupants.

The EIPFSPTLH has built in circuitry to aid suppression of voltage transients and RF interference to further reduce the chances of false alarms under such conditions and has soldered alarm sounder contacts to prevent sounder failure due to pressure fit contact corrosion, an identified source of occupant warning failure.

Applications

The non removable cells with their 10+ years service life make the EIPFSPTLH ideal for applications where the occupant wishes to avoid the worry and cost of replacing batteries, or where battery removal by a tenant is of concern. Ideal for rental properties – no battery maintenance requirements.

Photoelectric (Optical) smoke alarms are most suited to fires producing visibly dense smoke, typically given off from smouldering bed linen, plastics, and fused electrical appliances. Visibly dense smoke, which also contains toxic fumes, impairs the occupant's ability to see and make their way to an exit. The design standard AS1670.1 mandates the use of photoelectric smoke detection in all sleeping areas and paths to an exit.



Australia Head Office: 4 Pike Street Rydalmere NSW 2116
Ph+61 2 9684 1466 **Fx**+61 2 9684 4146 **Toll Free** 1300 78 FIRE

New Zealand Unit 106, The Zone, 23 Edwin Street Mount Eden 1024
Ph+64 9 638 4644 **Fx**+64 9 6384645 **Toll Free** 0800 220 007

Web: AUS - www.brooks.com.au NZ - www.brooks.co.nz

Operation

- The green indicator will illuminate to show mains power is present
- The red indicator will flash every 40 seconds to show that the detector has performed an automatic self test
- The red indicator will flash rapidly to show an alarm condition for the smoke detector
- The "Test/Hush" button will either silence false alarms or perform a unit self test
- In "Test" mode the alarm will perform a self test and sound the horn
- In "Hush" mode the alarm enters a ten minute period of reduced sensitivity to overcome false alarm conditions, and will then automatically reset itself
- When interconnected to other TL series mains powered alarms, an alarm on one detector will trigger all other interconnected alarms within one second (only the triggered alarm will flash a red indicator)
- The smoke detector will emit a beep and flash the red light every 40 seconds to indicate that the battery backup is depleted and needs replacing

For further details see the operator and installer manuals

Technical Specifications

Sensor:	Optical, uses light scatter from smoke (Note: Sensing chamber meets the 25mm stand-off installation requirements of AS1670.1 and AS1670.6)
Ambient Light:	Chamber housing and compensation overcomes possible problems due to stray light
Sensitivity:	Complies with AS 3786 (Nominal 10% Obs/m)
Source:	Contains NO radioactive material
Airspeed:	Essentially immune to the effects of airspeed
Test Facility:	Simulates the effect of smoke and checks electronics and horn
Automatic Self-Test:	Smoke chamber is tested every 40 seconds and unit beeps (without LED flash) if the sensor is de-graded
Insect Screen:	1mm diameter stainless steel mesh mitigates insect and debris entry into the smoke chamber.
Hush Facility:	In "Hush" mode the alarm enters a ten minute period of reduced sensitivity to overcome false alarm conditions, and will then automatically reset itself
Primary Supply:	230 Volts AC
Power 'ON' Indicator:	Continuous Green LED
Secondary Supply:	Rechargeable lithium cells
Low Battery Warning:	Beeps every 40 second when the stand-by battery reaches it depletion threshold
Alarm Sounder:	Integral electronic piezo horn.
Alarm Sounder Connection:	Piezo contacts are soldered to prevent failure due to contact corrosion over time.
Alarm Sounder Output:	85 dB (minimum) at 3m.
Alarm Status Indicator:	Red LED flashes every second on device sensing fire.
Temperature Range:	0°C to 40°C
Humidity Range:	15% to 95% Relative Humidity.
Conformal Coating:	Wax coating applied to PCB to mitigate the effects of contamination
Interconnection:	Up to 20 TL series smoke or heat alarms, along with one BA158 relay base, may be interconnected. (NOTE: Do not interconnect to other manufacturer's devices)
Fixing:	Anti-tamper base, fixing hardware supplied.
Enclosure Material:	UL94VO flame retardant.
Dimensions:	140mm x 120mm x 46mm depth.
Weight:	218g
Warranty:	5 year (limited) warranty
Approvals:	<i>Australian</i> - Certified to AS3786 ActivFire afp 1127, <i>International</i> - Kitemarked to BS5446-1:2000, CE Approved

Specifications subject to change

Accessories

EIB157T	– Surface mount base
EIB160F	– Flush mount base
BA158	– Surface mount base with relay
EIB420RF	– Wireless Interconnect Module
BAALOC	– Alarm locator module
BAAISO	– Alarm isolator module



Australia Head Office: 4 Pike Street Rydalmere NSW 2116
Ph+61 2 9684 1466 **Fx**+61 2 9684 4146 **Toll Free** 1300 78 FIRE

New Zealand Unit 106, The Zone, 23 Edwin Street Mount Eden 1024
Ph+64 9 638 4644 **Fx**+64 9 6384645 **Toll Free** 0800 220 007

Web: AUS - www.brooks.com.au NZ - www.brooks.co.nz