

PRODUCT DATA SHEET

Fire Alarm

EIPFS100TYC - Ionisation

9 Volt Primary Lithium Power with Hush and Interconnect



- Interconnect up to 20 other alarms
- High sensitivity - responds to all standard fires
- Dual Ionization chamber - quick response to fast flaming fires
- Lithium 10 year battery to provide long lasting life
- No changing of battery required - soldered into the printed circuit board
- Simple 2 core wiring for interconnection
- Low battery warning
- Built in sounder
- Test button
- Hush Button
- Accredited to AS3786 ActivFire Listed
- 5 year guarantee (Limited)

Applications

The non removable battery is designed to last up to 10 years - so there are no batteries to replace. This makes this the EIPFS100TYC ideal for applications where the occupant wishes to avoid the worry of replacing batteries, or where battery removal by a tenant is of concern. Ideal for rental properties – no battery maintenance requirements.

Product Description

The EIPFS100TYC is an Ionisation Alarm that runs on a 9 Volt 10 year primary lithium battery. What makes the EIPFS100TYC different from other “so called” 10 year devices? - Its lithium battery is integrated into the alarm printed circuit board not just a plug in battery with some form of anti tamper device. In addition the battery is of a type not used in other household appliances; therefore the temptation to remove the battery has itself been removed. The EIPFS100TYC is easily installed and comes supplied with all necessary screw fixings. Unlike its 230 volt equivalent it does not require the services of a licensed electrician, a significant cost saving.

Ionisation alarms operate on the principle that electrical current flowing between electrodes in an ionization chamber is reduced when products of combustion from a fire enter. Ionisation technology gives a rapid response fast flaming fires. Ionisation Alarms are suitable for applications where flaming produces small particle products of combustion, but are not recommended for locations where a smouldering fire is likely, i.e. bedrooms. The Ionisation alarm must be located such that the occupant is alerted to the presence of fire in sufficient time to escape.

The EIPFS100TYC 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. This provides early warning throughout the building or dwelling, no lost time while the fire threat grows.

The EIPFS100TYC has built in circuitry to aid suppression of RF interference to further reduce the chances of false alarms under such conditions and it soldered alarm sounder contacts to prevent sounder failure due to pressure fit contact corrosion, an identified source of occupant warning failure.

Operation

- The EIPFS100TYC will activate the built in sounder upon sensing combustion products from a fire
- The EIPFS100TYC will automatically reset itself and silence the sounder when combustion products are no longer present in the sensing chamber
- The built in sounder will provide a minimum sound output of 85dB at 3m
- The "Hush/Test" button will silence nuisance alarms
- The "Test" button will perform a self test and sound the horn (it may take up to 10 seconds)
- Hush button to silence the unit for 10 minutes in case of nuisance alarm.
- At the end of its service life (10 years+) the EIPFS100TYC will emit a beep every 40 seconds to indicate that the battery is depleted and the unit needs replacing.
- Interconnect up to 20 other alarms (EIPFS100TYC and EIPFS105TYCH). When interconnected an alarm on one detector will trigger all other interconnected alarms within one second (only the triggered alarm will flash a red indicator). Interconnection helps ensure that the warning will be heard throughout the Dwelling.

For further details see the operator and installer manuals

Technical Specification

Sensor:	Ionisation (Note: Sensing chamber meets the 25mm stand-off installation requirements of AS1670.1 and AS1670.6)
Sensitivity:	Complies with AS 3786
Airspeed:	Essentially immune to the effects of airspeed
Source:	Americium 241 - 37kBq
Insect Screen:	Chamber cover mitigates insect and debris entry into the sensing area.
Test Facility:	Simulates the effect of smoke and checks electronics and horn
Supply:	Integrated 9 Volt 10 year lithium battery
Power 'ON' Indicator:	Test button flashes (Red LED) every 40 seconds
Low Battery Warning:	Beeps every 40 seconds when the battery reaches its depletion threshold
Alarm Sounder:	Integral electronic piezo horn
Alarm Sounder Connection:	Piezo contacts are soldered to prevent failure due to contact corrosion over time – enhanced reliability
Alarm Sounder Output:	85 dB (minimum) at 3m
Alarm Status Indicator:	Red LED flashes every second on device sensing fire
Interconnection:	Up to 20 other alarms (EIPFS100TYC or EIPFS105TYCH)
Temperature Range:	0°C to 40°C
Humidity Range:	0% to 90% Relative Humidity
Fixing:	Mounting hardware supplied
Enclosure Material:	UL94VO flame retardant
Dimensions:	120mm x 140mm x 45mm depth.
Weight:	206g
Warranty:	5 year (limited) warranty
Approvals:	Australian - Certified to AS3786 CSIRO afp 1124, International - Kitemarked to BS5446-1:2000, CE Approved

Specifications subject to change

Accessories:

EIBLOC – Alarm locator