

240Vac c/w 3V DC Battery Backup Photoelectric Smoke Alarm



Compatible  
with the FSA-50000  
Wireless Interconnect  
module  
*\*Sold Separately.*

Main Power Source	220-240 V AC/50 Hz
Secondary Power Source	DC 3V battery: CR17450
AC Operating Current	<100mA
Interconnecting	Max. 24 alarms (wired 150m maximum)
Operating Temperature	0 °C to 40 °C
Ambient Humidity	≤ 93%
Alarm Sensitivity	0.118-0.169 dB/m
Alarm Volume	≥ 85dB(A) @ 3m
Sound Pattern	ISO8201 (BI 0.5s - pause 0.5s- BI 0.5s - pause 0.5s - BI 0.5s - pause 1.5s, with the RED LED flashing, repeat this alarm pattern)
Complies with	AS3786:2014

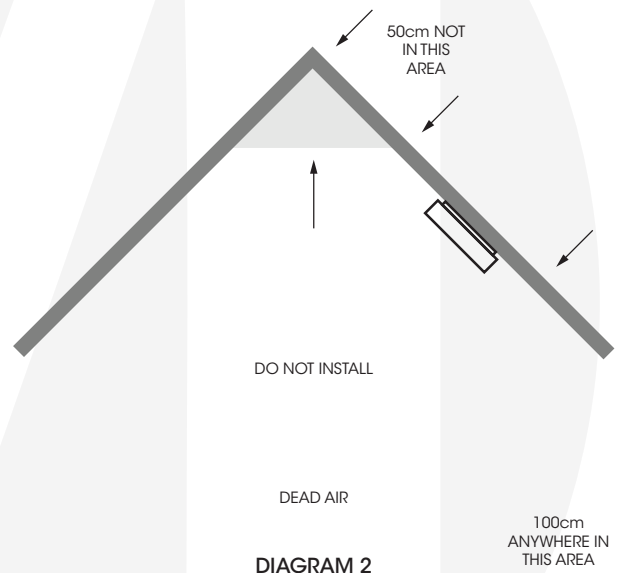
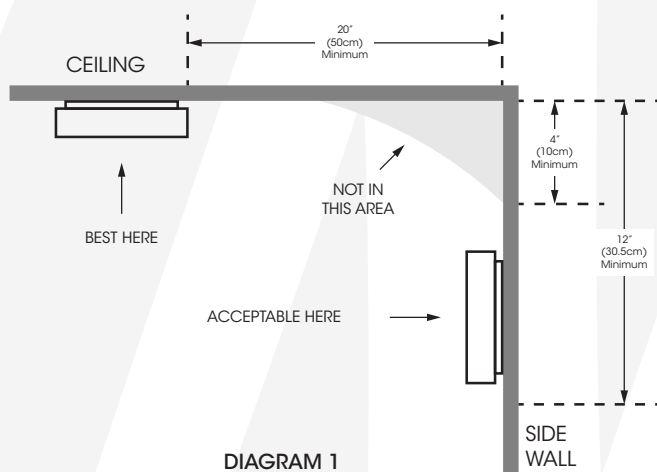
**THIS SMOKE ALARM MUST BE INSTALLED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH AUSTRALIAN WIRING RULES**

- This product must only be used for the purpose described in these instructions and must be installed in accordance with local wiring rules and regulations.

## RECOMMENDED LOCATIONS FOR SMOKE ALARMS

### SUGGESTED SMOKE ALARM LOCATIONS

1. Smoke alarms must be installed in accordance with local and national regulations. Please check your State Fire Department requirements prior to installation.
2. As a minimum, smoke alarms should be located between sleeping areas and potential sources of fire such as a kitchen, heater or basement. In single story homes with one sleeping area, an alarm should be installed in the hallway outside the room. In single story homes with two or more sleeping areas, a minimum one alarm for each area is required. In multilevel dwellings, an alarm should be installed outside and inside each sleeping area, in the basement, and on every level of the home.
3. Smoke alarms are best installed as close to the centre of the ceiling as possible. As a minimum, the alarms should be located at least 30cm from walls. If wall mounted, it should be at least 30cm from the ceiling. **(Diagram 1.)**
4. Larger rooms, in excess of 10m in length, should have multiple alarms installed.
5. For buildings with a peaked, or cathedral type ceiling, the alarm must be installed at least 50cm from the apex. **(Diagram 2.)**
6. Do not mount the alarm on an external wall of a mobile home, as they may be subjected to excessive heat.

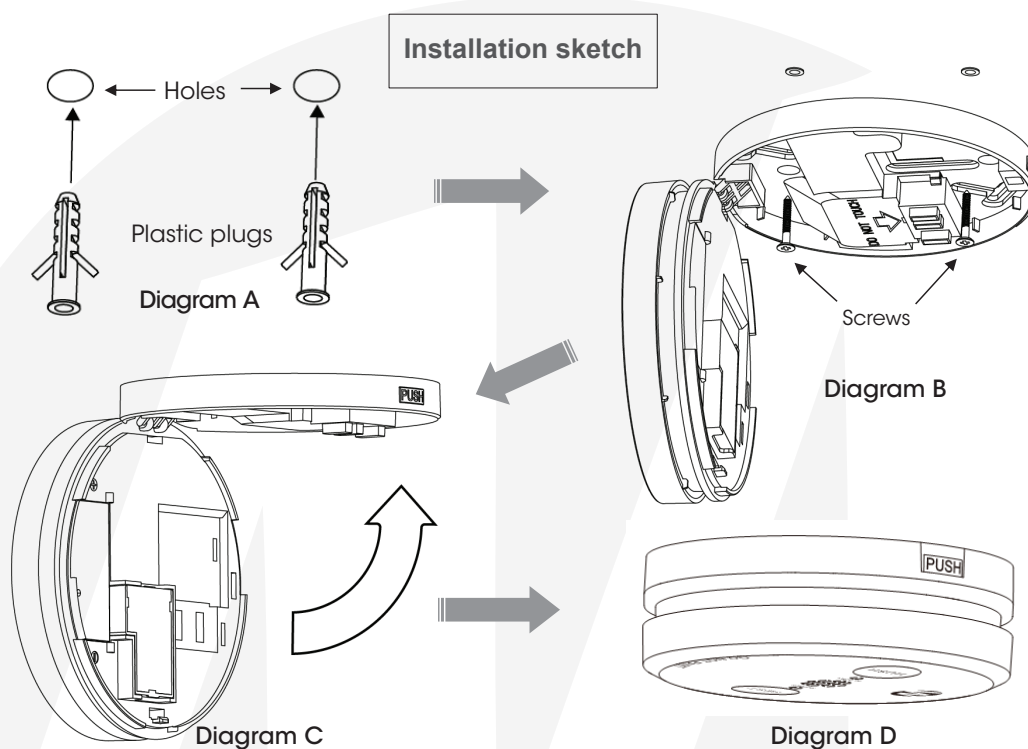


### AVOID THESE LOCATIONS

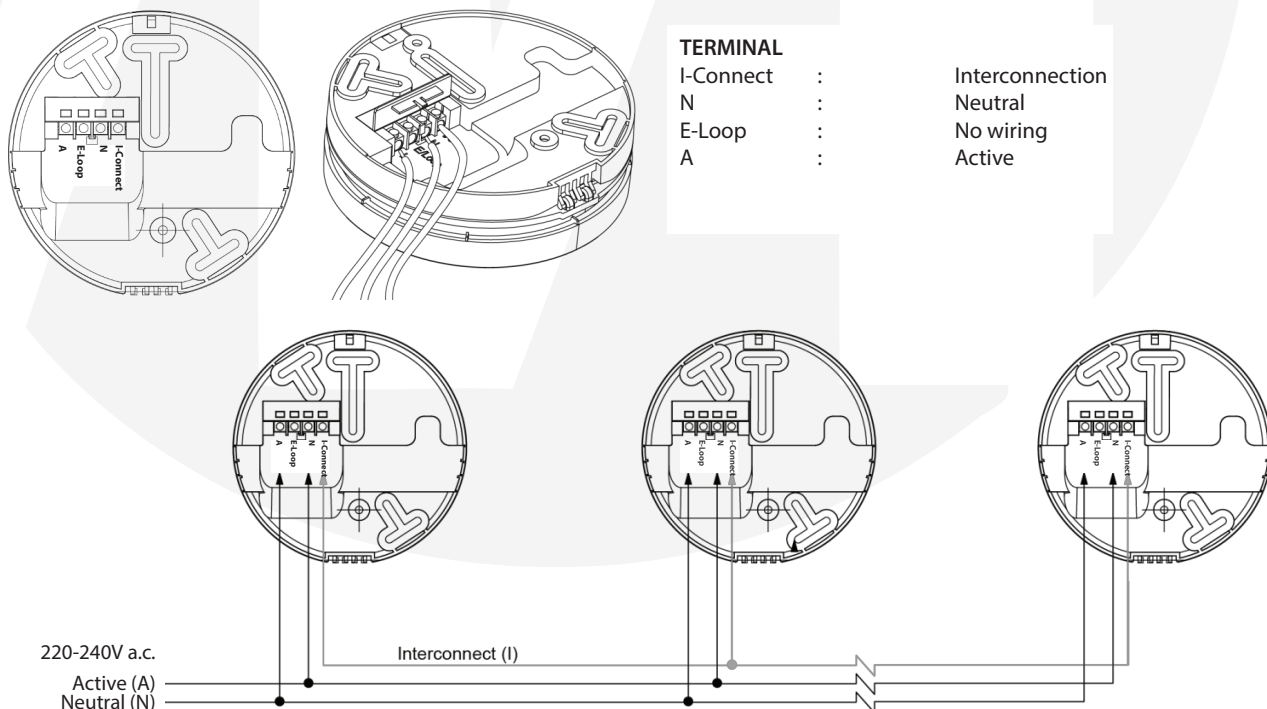
1. Kitchens or garages
2. Any area subjected to relative humidity outside the range of 10%-93%, for example bathrooms
3. Any area where the temperature may fall below 0°C or exceed 40°C.
4. Within 1m of any heating or cooling vents
5. In any bug or insect infested area
6. In areas of excess dust
7. Near fluorescent lights - electronic 'noise' may cause nuisance alarming

# MOUNTING INSTRUCTIONS

1. Isolate Mains/AC power.
2. Select optimum location for your smoke alarm/s as per earlier details.
3. Press the base on the installation position, mark installation holes of the bracket.
4. Bore two 5mm holes on the markings and install mounting plugs. (See Diagram A)
5. Follow wiring details as per Diagram D.
6. Attach the base to the mounting plugs and fix screws into the plugs. (See Diagram B)
7. Close the alarm body. (See Diagram C)



## Wiring Instructions:



- All interconnected alarms must be connected to the same sub/circuit
- A common Neutral must be used for interconnect to function
- Do not connect the interconnect wires to Active or Neutral

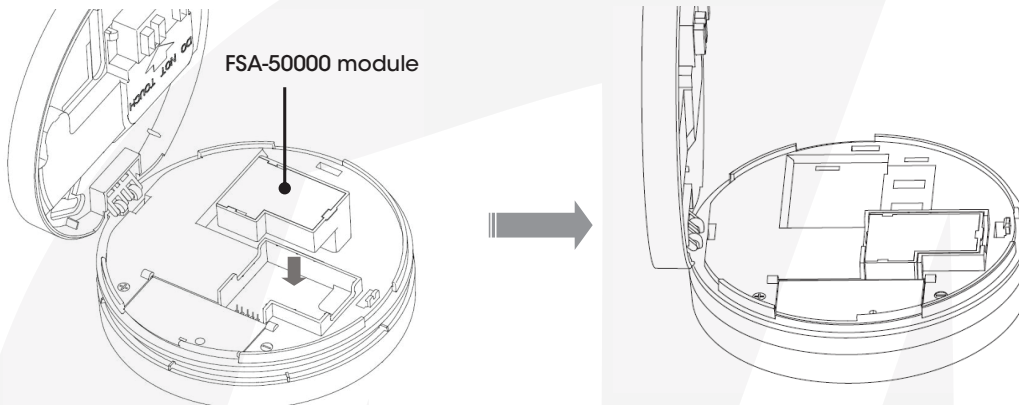
<b>Status Description</b>		
<b>Status</b>	<b>Indication</b>	<b>Description</b>
Standby status	The Red LED flashes every 40 seconds, with no Green LED.	Operating under battery power only.
AC power indication	The Green LED is continuously illuminated	The unit is operating under AC power.
Low battery warning	The unit chirps, with Red LED flashing every 40 seconds.	Battery voltage is low – replace battery
Self-test fault warning	The Red LED flashes twice every 40 seconds.	The buzzer fault or buzzer detection circuit fault.
End-of-life warning	The unit chirps between the Red LED flashing twice	The unit will send end-of-life warning after 10 years of operation. Alarm must be replaced.
Test function	The Red LED flashes once every second, with alarm sounding until the TEST button is released.	<ul style="list-style-type: none"> <li>• Test by pressing the TEST button on the smoke alarm for at least 5 seconds.</li> <li>• The alarm will sound if all electronic circuitry, buzzer and battery are working properly.</li> </ul>
Silence function	The Red LED flashes every 8 seconds.	<ul style="list-style-type: none"> <li>• This smoke alarm has a built-in Silence feature.</li> <li>• If cooking or other non-hazardous sources cause the alarm to sound, it can be temporarily silenced by pressing the HUSH button for a minimum 2 seconds.</li> <li>• The alarm enters silence mode for 10 minutes.</li> <li>• After the 10-minute dormant period, the smoke alarm will resume normal operation</li> </ul>
Interconnection alarm	Alarm sounds without Red LED flashing.	Occurs when another interconnected alarm is triggered.

<b>Trouble Shooting</b>	
<b>Problem</b>	<b>Cause and Remedy</b>
The Green LED does not light when AC power supplied	<ul style="list-style-type: none"> <li>• Check the AC line is properly connected to the smoke alarm.</li> <li>• Ensure that the AC power is turned on.</li> </ul>
The Red LED does not flash every 40s	<ul style="list-style-type: none"> <li>• Ensure that the battery and the AC power are properly connected.</li> </ul>
Smoke alarm does not sound when tested	<ul style="list-style-type: none"> <li>• Ensure that the battery and the AC power are properly connected.</li> <li>• Clean the smoke alarm. Then take out the battery and turn off the AC power. Install battery and turn on the AC power after 3 minutes.</li> </ul>
Low battery warning	<ul style="list-style-type: none"> <li>• Ensure that the battery is properly connected.</li> <li>• Replace a flash battery, refer to "Replace Battery" section.</li> </ul>
Fault warning	<ul style="list-style-type: none"> <li>• Clean smoke alarm. Take out the battery and turn off the AC power. Wait 3 minutes, then install battery and turn on the AC power.</li> </ul>
Self-test fault warning	<ul style="list-style-type: none"> <li>• Press the TEST button at least 15s, then release.</li> </ul>
False alarm	<ul style="list-style-type: none"> <li>• Press the HUSH button to silence it.</li> <li>• Clean smoke alarm device.</li> <li>• Move the smoke alarm device to new location.</li> </ul>
The alarm sounds different from it is used to	<ul style="list-style-type: none"> <li>• Ensure that the battery is not low voltage.</li> <li>• Clean smoke alarm. Take out the battery and turn off the AC power. Wait for 3 minutes, then install battery and turn on the AC power.</li> </ul>
The alarm can't interconnection alarm	<ul style="list-style-type: none"> <li>• Check the Active, Neutral, Interconnection wires are properly connected.</li> <li>• Check the interconnected smoke alarm are supplied from the same circuit.</li> </ul>
<p><b>If the problem still exists, please return to your retailers.</b>  <b>If the unit is out of warranty, please replace another new alarm.</b>  <b>Note: If self-test fault warning is existing, but the product can sound alarm when press test button. The product can continue to be used. Need to test weekly by press the test button instead of self-test weekly.</b></p>	

## INSTALLING THE FSA-50000 MODULE AND UTILISING WIRELESS INTERCONNECT (If applicable)

The FSA-50000 Wireless Module has been developed exclusively for the MATElec FSA-60000 and FSA-30000 Smoke Alarms. This enables both wired and wireless smoke detectors to be utilised in one installation. The FSA-60000 Smoke Detector is supplied separate to the FSA-50000 Module. Please contact your dealer for all enquiries. The FSA-60000 comes without the module installed. Only install the module if the alarm is being interconnected. If multiple units are being wire interconnected, then only 1 module per group of wired alarms should be installed.

1. Isolate Mains/AC power.
2. Select optimum location for your smoke alarm as per earlier details.



3. Remove the 'blank module' from the smoke alarm.
4. Insert the FSA-50000 Wireless Module in slot provided.
5. Insert the battery and close the alarm. The alarm will automatically search for the module after being closed. The red LED flashes continuously while the unit checks if the module is installed.
6. If no other alarms are found to pair with, the red LED will extinguish after 8 seconds, and unit will beep 3 times in quick succession. The red LED will then flash twice quickly, every 8 seconds. This indicates that while the module has been recognized, the unit is not yet paired.
7. *If module was not installed correctly, or otherwise not recognized by the alarm, the red LED will extinguish after 8 seconds, no beeps will be heard, and the red LED will not flash twice every 8 seconds.*
8. Repeat these steps with all alarms to be interconnected.

### PAIRING THE ALARM

9. Press the TEST button of the first alarm 3 times in the space of 2 seconds. The Red LED should remain illuminated. This alarm remains the Master.
10. Move to the next alarm and press the TEST button of this alarm 3 times in the space of 2 seconds. The red LED will illuminate briefly, and the unit will give one loud 0.5 second beep. The unit is now paired.
11. Repeat this process with all remaining alarms to be paired.
12. Return to the Master (first) alarm. The Red LED should still be illuminated. Press the TEST button for 1 second, to complete pairing.
13. All paired units will have the red light flashing once every 40 seconds.
14. Turn ON Main power
15. To test the alarms, press the TEST button for at least 2 seconds. The unit will alarm, and the light will flash as long as TEST button is pressed.
16. All other interconnected alarms should go through their test cycle, with a series of beeps, within a few seconds

The battery of alarms wirelessly interconnected should be replaced at a maximum, every 10 years.

## **CLEAR NETWORK**

If it becomes necessary to unpair an alarm from a network, the following steps should be undertaken:

1. Isolate Power and Remove the battery from the alarm.
2. Press and hold the TEST button and reinsert the battery while the button is still pressed. The red LED will illuminate for 3 seconds.
3. Release the TEST button, after Red LED goes off.
4. The Red LED should light up again.
5. Press the TEST button again, within 2 seconds, while the Red LED is illuminated, and release
6. The alarm will beep once, and the red LED goes out. The alarm is now unpaired.

## **DEVELOP AN ESCAPE PLAN**

As part of your plan, all family members should know and/or practice:

1. The two quickest ways out of each room
2. How to exit from upstairs, for homes with a second story. A rope or chain may be required.
3. An agreed upon meeting place outside, such as the letterbox
4. The sound of the smoke alarm and practice leaving your home when they hear it.
5. A fire drill at least every six months including drills at nights. Practice allows you to test your plan before an emergency. You may not be able to reach your children. It is important that they know what to do!

## **WHAT TO DO IF THE ALARM SOUNDS**

1. Alert any small children and elderly persons.
2. Leave immediately by your plan of escape. Every second counts, so don't waste time getting dressed or picking up valuables.
3. In leaving, don't open any inside door without first feeling its surface. If hot, or if you see smoke seeping through cracks, don't open that door! Instead, use your alternate exit. If inside door is cool, place your shoulder against it, open it slightly and be ready to slam it shut if heat and smoke rush in.
4. Stay close to the floor if air is smoky. Breathe shallowly through a wet cloth if possible.
5. Once outside, go to your selected meeting place and make sure everyone is there.
6. Call the Fire Brigade on 000.
7. Don't return to your home until officials say that it is safe to do so. For further information on fire safety contact your local Fire Brigade.

## **SERVICE AND WARRANTY**

- The FSA-60000 smoke alarm is warranted for a period of 5 years, to be free of defects in materials or workmanship, under normal use. In the event of a warranty issue, please contact your place of purchase.  
Please see the warranty card included with the smoke alarm package, for full details of the warranty.