



## Photoelectric DC Smoke Alarm

### Product Code: FSA-30000

Thank you for purchasing a MATElec Australia Smoke Alarm.

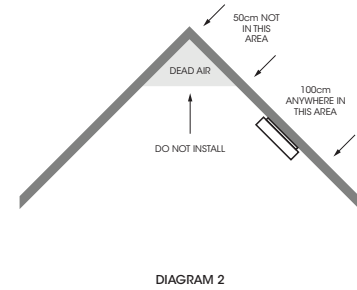
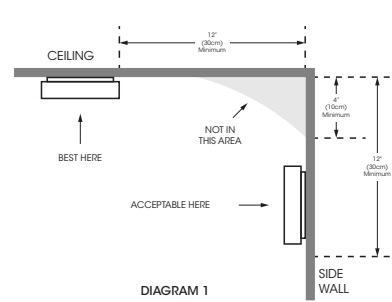
Please read this user's manual thoroughly to familiarise yourself with the operation of the smoke alarm before use.



### Product specifications

Sensing type	Photoelectric (Type A - contains no radioactive material)
Power supply	Non-replaceable 10 Year Lithium
Interconnectivity	Battery
Wireless range	Up to 100m in open space
Interconnection	Maximum 40 paired alarms
Size	114mm x 38mm
Temperature range	0°C - 45°C*
Max humidity	5%-95%RH
Alarm Signal pattern	ISO 8201
Operation current	<120 mA
Alarm volume	85dB at 3m
Hush time	10 mins
Compliance	AS 3786:2014
Certification	CSIRO Verification Service

\*High temperatures can impact battery life.



### Install locations

1. Refer to your state building authority.
2. Wherever possible Smoke alarms should be installed on the ceiling and as close to the centre of the room as possible. (Avoiding dead air spaces, an area in which trapped hot air will prevent smoke from reaching the alarm). (Diagram 1).  
Smoke alarms should not be placed within:
  - 300mm of a corner of a ceiling and a wall
  - 300mm of a light fitting
  - 400mm of an air-conditioning vent
  - 400mm of the blades of a ceiling fan.
3. Larger rooms, in excess of 10m in length, should have multiple alarms installed.
4. For buildings with a peaked, or cathedral type ceiling, the alarm must be installed at least 50cm from the apex (Diagram 2).
5. Smoke alarms must be paired (interconnected) with every other smoke alarm in the residence so they all activate together.

### Avoid these locations

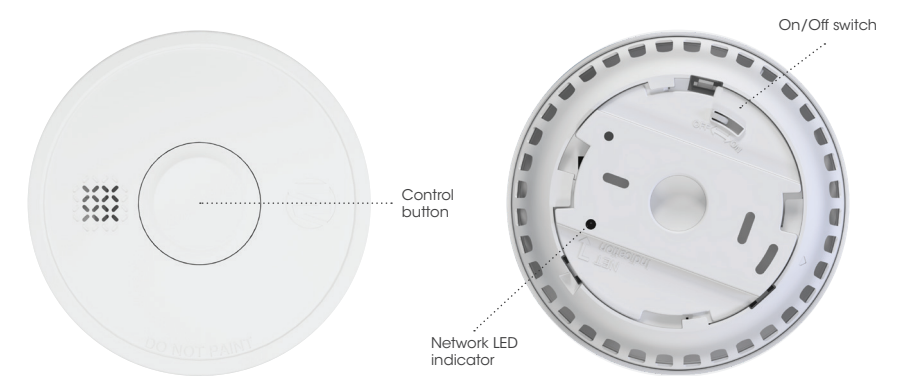
- Smoke Alarms are sensitive electrical equipment by nature.
- To reduce the likelihood of nuisance or repetitive false-triggering smoke alarms, avoid installing:
1. Near cooking appliances, or close to heating and cooling vents or appliances.
  2. In dusty or dirty areas.
  3. In areas of excessive heat (eg, Garage)
  4. In areas subjected to relative humidity outside the range of 10%-93% eg bathrooms, laundries.
  5. Avoid installing where bugs or insects are present.

### Pairing

**NOTE:** Smoke alarms should be paired before mounting/installation.

1. Turn on each alarm by rotating the mounting bracket to ON position.
2. Ensure each smoke alarm is operational by pressing and holding the CONTROL button for 2 seconds. (The smoke alarm will SOUND after a short delay.)
3. Select a smoke alarm to be the MASTER unit. Use the MASTER sticker provided or mark this smoke alarm for ease of adding additional SLAVE smoke alarms in future.

**(NOTE - The MASTER unit should be the smoke alarm that is to be installed in the central part of the residence. When using a combination of wireless and wired smoke alarms, it is recommended a centrally located, WIRED smoke alarm be selected as MASTER)**



4. Press the CONTROL button on the MASTER smoke alarm 3 times within 2 seconds to enter "Pairing Mode". (BLUE LED will illuminate for 30 seconds)
5. The MASTER smoke alarm will now search for any slave alarms to pair with. (MASTER smoke alarm will exit pairing mode after 30 seconds of inactivity. If required, repeat step 4. to restart pairing process)
6. On the SLAVE smoke alarm press the CONTROL button 3 times within 2 seconds to enter pairing mode. If the LED on both smoke alarms turns GREEN for 3 seconds, units have successfully paired. The MASTER alarm LED will then turn BLUE until another pairing request is received. The SLAVE smoke alarm LED will turn off and the MASTER smoke alarm is now ready to pair to the next SLAVE smoke alarm.

Repeat pairing process for any additional SLAVE smoke alarms required.

The Network status is indicated on the 'NET' LED on the back of the smoke alarm.

- RED LED indicates there is no network available yet.
- BLUE LED indicates device is sending pairing request.
- GREEN LED indicates the device has paired successfully.

**NOTE:** When all SLAVE smoke alarms have been paired successfully, press the CONTROL button on the MASTER smoke alarm 3 times within 2 seconds to exit pairing mode, or wait 30 seconds to automatically exit. (The BLUE LED will turn off.)

**NOTE:** More SLAVE smoke alarms can be added into smoke alarm network at a later date by repeating the pairing process but must pair with previous MASTER smoke alarm.

7. Take the smoke alarms into the rooms where they will be installed and perform Wireless Test Procedure. Do not mount smoke alarms to ceiling at this point.

### Wireless Test Procedure

1. Press and hold the CONTROL button on any smoke alarm for at least 2 seconds to test ALL smoke alarms. After a short delay, all paired smoke alarms will ALARM for 10 seconds and the RED LED will flash on front face twice a second for 5 minutes or until the CONTROL button is pressed again. Check all smoke alarms are paired correctly, this way.

**NOTE:** Smoke alarms CANNOT be HUSHED while in TESTING mode.

2. Turn off each smoke alarm by rotating the mounting bracket to OFF position.
3. Place the bracket in the desired/ recommended location and mark mounting holes. Mount the bracket using the fixings provided.
4. Insert the smoke alarm onto the bracket and rotate clockwise until it clicks into place. This will turn the smoke alarm back ON.
5. Test interconnection again, using Step 1 above.

**NOTE:** Smoke alarms CANNOT be TESTED more than once in 5 minutes. (Units commence recalibration in this time period)

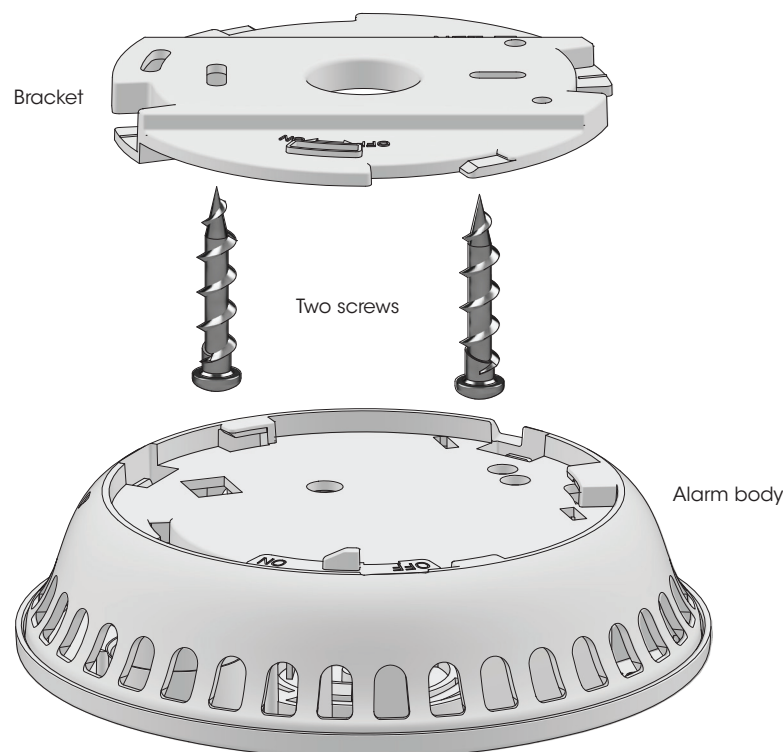


DIAGRAM 3

## Installation

Refer to the location recommendations listed earlier.

1. Use the base bracket as a drilling template to mark the holes for installation.
2. Drill 5mm pilot holes into the pre-marked spots.
3. Align the bracket to the drilled holes and screw in the supplied wall-lock fasteners.
4. Carefully align the alarm with the bracket and turn the alarm body clockwise. The unit will 'click' into the fully closed position.
5. The unit is now fully operational. Press the button for 2 seconds to test. The alarm will sound 3 short beeps, then a 1.5 second pause, then repeat, until the button is released.

## Reset to factory default setting

1. Remove the smoke alarm from the mounting bracket and ensure the internal switch is in the OFF position.
2. Press and hold the CONTROL button while shifting the switch to the ON position. (RED LED on smoke alarm FACE will illuminate for 3 seconds.)
3. When the RED LED turns off, release the CONTROL button. (The RED LED will illuminate again for 3 seconds.) During these 3 seconds, press the CONTROL button ONCE to UNPAIR and RESET the smoke alarm. (The RED LED will FLASH for several seconds.)
4. When the RED LED stops flashing, the smoke alarm has been returned to its original factory state.
5. Turn the smoke alarm off by moving the internal switch back to the OFF position.

## Hush Function

**NOTE:** If the alarm sounds, first ensure there is NO DANGER. Do not assume it is a false alarm. Carefully check residence for the presence of smoke.

1. While the unit is in ALARM mode, pushing the CONTROL button for 2 seconds will HUSH the smoke alarm for approximately 10 minutes. The RED LED will flash once every 8 seconds to indicate the smoke alarm is running in HUSH mode.
2. After 10 minutes the alarm will resume normal operation. If the false-trigger source is still present, the smoke alarm will sound again.
3. The 'silence' mode feature can be repeated as many times as necessary.

**NOTE:** If MORE than ONE alarm is interconnected, identify the smoke or false-trigger source by locating the smoke alarm with a RED flashing LED. (Other interconnected smoke alarms in the network will ALARM but will NOT have a RED flashing LED) as this will be the only smoke alarm that can HUSH the network.

## Audio-visual guide

OPERATION	RED LED STATUS	SOUND
Alarm functioning	Low intensity flash every 40 seconds	-
Low Battery	Flash every 40 seconds	One chirp every 40 seconds
Internal Fault	-	One chirp every 40 seconds
Hush mode	Flash every 8 seconds	-
Smoke detected on local alarm*	Flash every 1 second	Continuous alarm signal pattern
Smoke detected on paired unit*	-	Alarm twice, pause 1 second
Test on local alarm (while button pressed)	Flash once	Chirp once
Wireless test on paired unit	Flash twice every 1 second for 5 minutes	Chirp twice every 1 second for 10 seconds
Alarm memory	Flash twice every 20 second (up to 168hrs)	-

\*Smoke has been detected, and the residents must be vacated immediately. Notify Emergency Services and follow escape plan.

## Memory feature (on a triggered smoke alarm)

In an interconnected network, the RED LED on the triggered smoke alarm flashes TWICE approximately every 20 seconds for 72 hours. This can be used to identify the triggered unit in the event that residence is unoccupied at the time of an ALARM.

## Maintenance

Periodically use the Wireless Test Procedure to test the smoke alarm.

Periodically clean the smoke alarm by carefully vacuuming the outside of the unit to remove any dust build up and wipe gently with a damp cloth.

Do not spray any cleaning liquids directly onto/into the smoke alarm.

The battery is not replaceable - **DO NOT ATTEMPT TO REPLACE THE BATTERY.** If the low battery alarm sounds, replace the entire smoke alarm.

## Warning

Aerosol products, such as Smoke Alarm Test Smoke, (Although Photoelectric smoke detectors are less susceptible to trigger by this method) can be used to test the integrity of smoke alarms by simulating smoke conditions. If using an aerosol smoke alarm testing product, from a distance of 1-2 metres, spray the can towards the smoke alarm for 2 seconds. Smoke alarms with built in time delay circuitry may require additional spray to trigger the alarm.

**Excessive spraying at close range may permanently affect the smoke alarm's sensitivity.**

## Warranty

This MATEtec Smoke Alarm is designed for use in residential dwellings and is warranted as such.

The FSA-30000 smoke alarm is warranted for a period of 7 years, to be free of defects in materials or workmanship, under normal use. In the event of a warranty issue, please contact MATEtec Australia via email, at [info@matelecaustralia.com.au](mailto:info@matelecaustralia.com.au).

Please see the warranty card included with the smoke alarm package, for full details of the warranty.

## Safety tips

### 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 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 Emergency Services 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.

## Distributor

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SCAN ME

Scan QR code to view our video series giving you a comprehensive understanding of all technical and installation aspects of the FSA-30000 Smoke Detector.