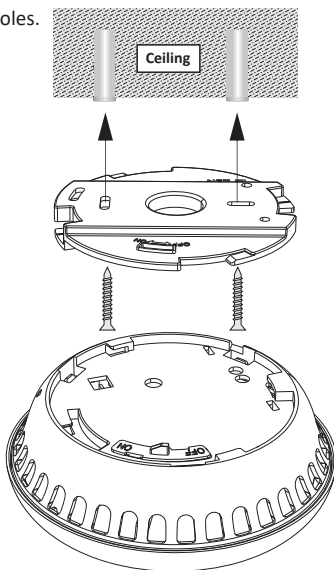


Mounting

- Place the mounting plate on the desired installation location and mark where the holes should be drilled.
- Drill two holes with a diameter of 5 millimetres.
- Push the plastic plugs into the holes.
- Insert the screws into the mounting plate, and tighten them firmly into the plugs.
- Place the smoke alarm on the mounting bracket and secure it by turning it clockwise.
- Test the correct operation of your smoke alarm by pressing the test button. If no sound is generated, the smoke alarm is not functioning properly and should not be used!



Alarm silence facility

When the smoke alarm has detected smoke and turns into the alarm mode, you can mute the alarm for approx 10±1 minutes by pressing the test button. After that, the smoke alarm automatically resets and returns into the normal operation mode. If there are still particles of combustion in the air, the smoke alarm will turn into the alarm mode again. **WARNING:** Before using the alarm silence facility, always identify the cause of the alarm and make sure that the circumstances are safe.

Overview visual & acoustic signals

Operating mode	Visual (flash)	Acoustic (beep)	Description mode
Normal	1 x per 40 seconds	None	Device is functioning properly
Test	1 x per second (3 x) / pause of 1,5 seconds	1 x per seconds (3 x) / pause of 1,5 seconds	Device is being tested
Wireless test	2x per seconds for 5 minutes	2x per seconds for 10 seconds	Device is being connected test, you can press the button to exit
Alarm	1 x per second (3 x) / pause of 1,5 seconds	1 x per seconds (3 x) / pause of 1,5 seconds	Device has detected smoke
Wireless alarm	None	2 x per seconds	Detected other devices had smoke alarm
Alarm silence	1 x per 8 seconds	None	Smoke alarm is muted
Low battery warning	1 x per 40 seconds	1 x per 40 seconds	Battery is running low
Connected low battery warning	1 x per 3 hours	1 x per 3 hours	Battery of connected device is running low
Low battery warning silence	None	None	Low battery warning is muted
Fault warning	None	1 x per 40 seconds	Device is not functioning properly

Low battery mode

When the battery is running low, the smoke alarm will indicate this with a repetitive beep and flash for approximately 30 days. **WARNING:** This smoke alarm is equipped with a non-replaceable battery. When this warning occurs, replace the device as soon as possible! The acoustic low battery warning signal can be muted for ten hours by pressing the test button. The smoke alarm is still functioning and able to detect smoke when it's in this mode.

Fault warning mode

When the smoke alarm is not functioning properly, it will turn into the fault warning mode. Try cleaning the smoke alarm (see paragraph maintenance) or replace the smoke alarm!

Maintenance

- Test this smoke alarm weekly for correct operation using the test facility. If the smoke alarm functions correctly, it will generate a loud beep. Due to the loudness of the alarm, make sure that you always stand at arm's length distance from the unit when you are testing. If the smoke alarm does not generate an acoustic signal, the smoke alarm must be replaced immediately!
- Clean the smoke alarm at least once per month to remove dirt, dust or debris. Use a vacuum cleaner with a soft brush and vacuum all sides and covers of the smoke alarm. Do not remove the top cover of the smoke alarm to clean it inside.
- Do not attempt to repair this smoke alarm. If the smoke alarm shows a damage related to its functionality, it must be replaced!
- Trouble shooting: False alarm is often caused by dust or steam.

Recycling and disposal



The WEEE symbol means that this product and batteries must be disposed separately from other household waste. When they reach their end of life, take them to a designated waste collection point in your area to guarantee a safe disposal or recycling. Protect the environment, human health and natural resources!

SMOKE ALARM

FP520V USER MANUAL



Identification

Product type : Smoke alarm
 Item number : FP520V
 Manufacturer : FIREPRO
 138 – 140 Bayfield Road East,
 Bayswater North, VIC, 3153, Australia
 E-MAIL: info@fireproaus.com
 Website: altamonte.com.au



AS3786:2014+A1:2015+A2:2018

ESSENTIAL CHARACTERISTICS: PASSED
 Nominal activation conditions/ Sensitivity, Response delay (response time) and Performance under fire condition - Operational reliability - Tolerance to supply voltage - Durability of operational reliability and response delay, temperature resistance, vibration resistance, humidity resistance, corrosion resistance, electrical stability

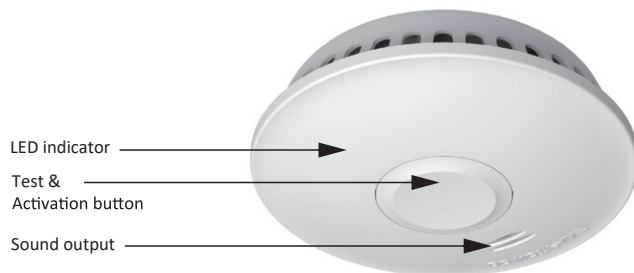
Download the Declaration of Performance at www.altamonte.com.au

Thank you for purchasing our smoke alarm!

Please read these instructions carefully and store them in a safe place where you can access them easily.

Product description and intended use

This is a smoke alarm with radio link function with an optical sensor for installation in residential buildings, apartments and rooms with residential-like use. Smoke alarms are designed to provide an early warning of fire smoke and fires to persons present, so that these persons can react appropriately to the hazardous event. Always consult local regulations for smoke alarms.



Product specifications

Detection method	: Optical
Power supply	: built-in DC3V Lithium battery (battery not replaceable)
Battery lifetime	: 10 years
Alarm volume	: ≥ 85 dB (A) at 3 meters
Monitored area	: 40 m ²
Operating temperature	: 0 °C - 45 °C
Operating humidity	: < 93 %
Date of replacement	: See product label
Individual alarm indicator	: Yes
Alarm silence facility	: Yes Hush time: 10±1 minutes
Low battery warning	: Yes
Low battery silence facility	: Yes Hush time: 10 hours
Installation in leisure accommodation vehicles	: No
Mounting location	: Ceiling or wall
Interconnectable	: Yes max. 40 devices
Wireless frequency	: 433.42MHz
Wireless distance	: Max. 100 meters in free field
Local smoke alarm sound pattern:	ISO 8201 BI 0.5s - pause 0.5s - BI 0.5s - pause 0.5s - BI 0.5s - pause 1.5s, with the red LED flash, repeat this alarm pattern.
Wireless alarm sound pattern	: Bi - Bi - pause 1s, with the red LED flash, repeat this alarm pattern.

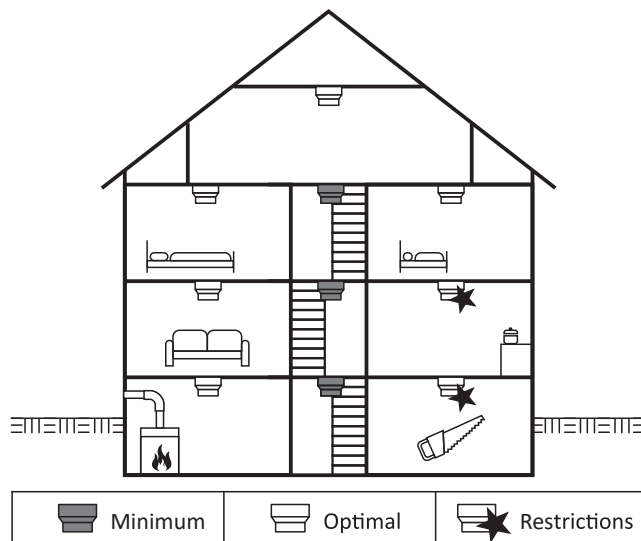
Warnings:

- To prevent injury, this apparatus must be securely attached to the ceiling/wall in accordance with the installation instructions.
- Batteries should not be exposed to excessive heat such as sunshine, fire or the like.
- Do not paint or cover the smoke alarm.

Where to install a smoke alarm

Smoke alarms must be installed in such a way that they can be reached unhindered by the fire smoke so that fires can be reliably detected during the development phase.

- Install at least in sleeping areas (especially children's rooms).
- Install at least in escape rooms.
- In the middle of the ceiling of a room.
- At least 50 cm away from the wall and other objects.
- Maximum installation height of 6 meter.
- If ceiling installation is not possible, the smoke alarm can be installed on the wall. The distance to the ceiling should be between 30 and 50 centimeter.



Where to install a smoke alarm in rooms with special geometries

- Corridors with a maximum width of 3m: Max. 15m between 2 smoke alarms. Max. 7,5m to the front side of the gallery and smoke alarms at edges/crossings of corridors.
- Rooms with sloping ceilings:
 - If the ceiling inclination is $> 20^\circ$ to the horizontal: Smoke alarms must be installed at least 0.5 m and at most 1 m from ceiling top.
 - Partial roof slopes: If the flat ceiling is ≤ 1 m wide, consider as ceiling inclination is $> 20^\circ$. If the flat ceiling is > 1 m wide, consider as flat ceiling.
- Rooms with subdivided ceilings:
 - Height of the subdivisions is ≤ 0.2 m: Beams without consideration; smoke alarm may be installed on the beams as well as on ceiling.
 - Height of subdivisions is > 0.2 m and area of ceiling panels > 36 m²: Smoke alarm should be installed in each ceiling panel.
 - Height of subdivisions > 0.2 m and area of ceiling panels ≤ 36 m²: Individual ceiling without consideration.

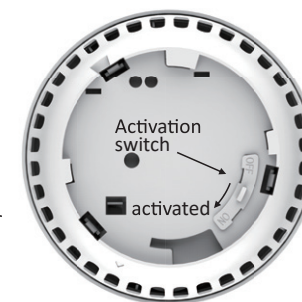
Where not to install a smoke alarm

- In an environment with a high risk of draught (e.g. close to air conditioning, fans and ventilation outlets). The movement of air can impair the penetration of fire smoke into the smoke alarm.
- Areas where combustions regularly occurs, such as kitchens.
- Areas with high humidity such as bathrooms, or close to devices such as dish washers or washing machines.

Activation

Before commissioning the smoke alarm, it is important to activate it and test it for correct operation.

- Push the activation switch to the right. When the smoke alarm is activated, the LED lights up.
- Test the correct activation of your smoke alarm by pressing the test button. If no sound is generated, the smoke alarm is not activated properly and should not be used!



backside smoke alarm

Connect your smoke alarms

1. Choose one smoke alarm as the master smoke alarm.
2. Turn your master smoke alarm into the connect mode by quickly pressing the test button 3 times.
3. The red LED will light up red, followed by the blue LED. This indicates that the smoke alarm turned into the connect mode in which it remains for 30 seconds.
4. Turn the next smoke alarm into the learn mode by quickly pressing the test button 3 times.
5. The red LED will light up, followed by the green LED. This indicates that the smoke alarms are connected to each other.
6. Repeat step 4 to 5 for connecting more smoke alarms. Make sure that you always use the same master smoke alarm!
7. Test if the your smoke alarm were connected successfully by pressing the test button of a random device until it beeps. All connected devices will beep twice per second for ten seconds and led flash twice per second for five minutes. Stop these alarms by pressing the test button of each alarm.

Reset connection

1. Disconnect the smoke alarm you want to reset by removing it from the mounting plate, or by pushing the activation switch to the left with a screw driver.
2. Press and hold the test button and activate the smoke alarm again by pushing the activation switch to the right.
3. Hold the test button while the LED lights up red and release it when the LED turns of.
4. When the LED lights up again, press the test button.
5. The LED will start flashing to indicate that it the network is being cleared.
6. When the LED turns off, the connection is successfully cleared.
7. Repeat step 1 to 6 for disconnecting more smoke alarms.

Connect your smoke alarms

1. Choose one smoke alarm as the master smoke alarm

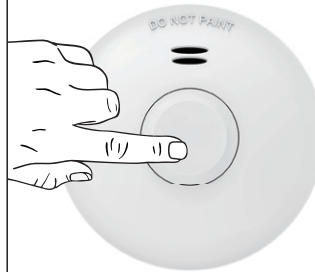


master smoke alarm



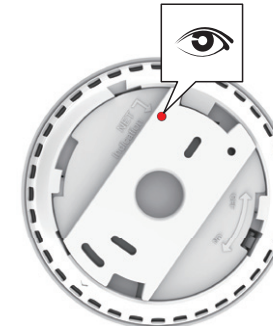
smoke alarm

2. 3x Press test button turn alarm into connect mode

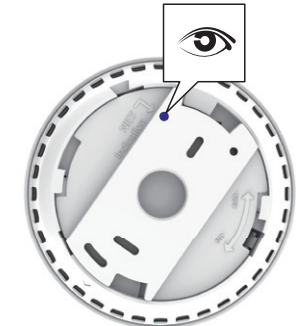


master smoke alarm

3. Red LED followed by blue LED



master smoke alarm



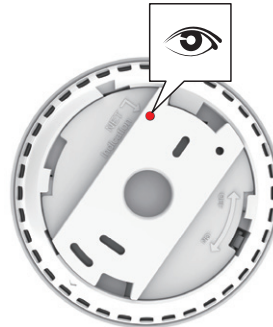
master smoke alarm

4. 3x Press test button turn alarm into learn mode

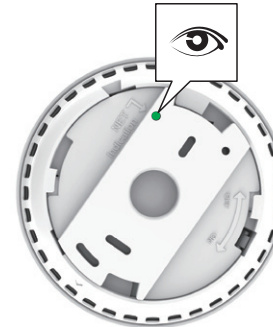


smoke alarm

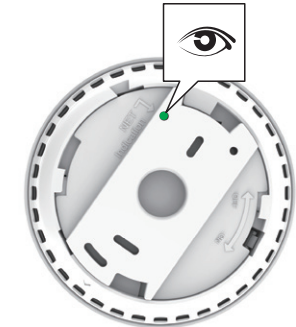
5. Red LED followed by green LED indicating smoke alarm connected to each other



smoke alarm

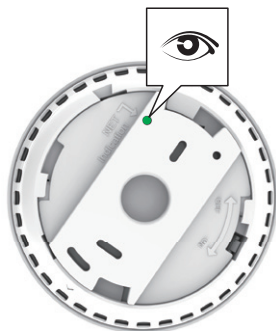


smoke alarm

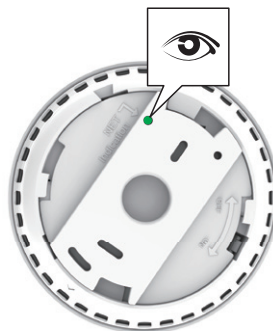


master smoke alarm

6. Repeat step 4 to 5 for connecting more smoke alarms. Make sure that you always use the same master smoke alarm!



master smoke alarm



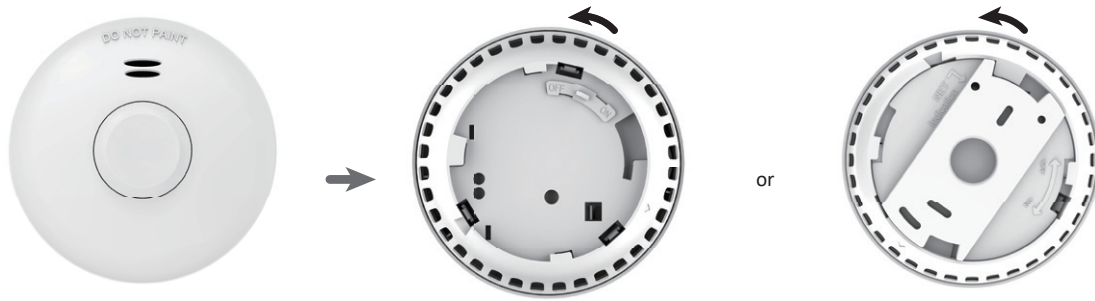
smoke alarm



Test if the your smoke alarm were connected successfully by pressing the test button of a random device until it beeps. All connected devices will beep twice per second for ten seconds and led flash twice per second for five minutes. Stop these alarms by pressing the test button of each alarm.

Reset connection

1. Remove alarm from mounting plate or push activation switch to the left to disconnect smoke alarm.



2. Press and hold the test button then activate the alarm again by pushing the activation switch to the right.



3. Hold the test button while the LED lights up red and release it when the LED turns off.



4. When LED lights up again, press test button.



5. LED will flash to indicate that the network be cleared.



6. LED turns off indicate that the connection is cleared.



7. Repeat step 1 to 6 for disconnecting more smoke alarms.

