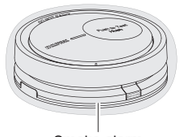


755PSMA5

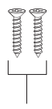
Photoelectric Smoke Alarm, Surface, 220-240V a.c.

Scan the QR code to view the installation instructions online

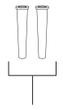
Package Content



Smoke alarm (with dust cover)



2 self-tapping screws, Ni plated (Ø3.5x20BA)

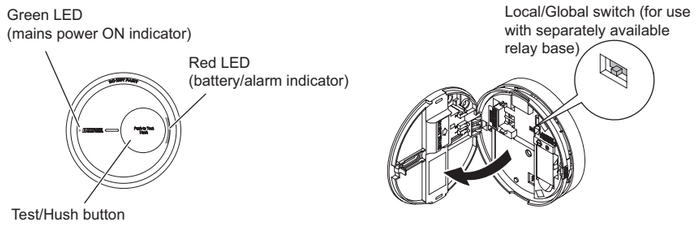


2 screw anchor, red (Ø6x22)



Installation instructions

Operating elements



Installation location

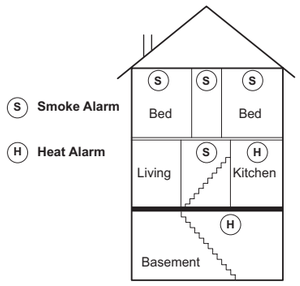


NOTICE

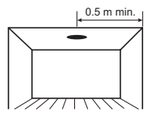
EQUIPMENT DAMAGE

- Do not install in garages, kitchens, bathrooms or any area with high levels of moisture, dirt or insects.
- Install more than 0.3 m away from light fittings and 1 m away from air conditioners/heater vents and fans, electrical sources, appliances and other electrical fittings.

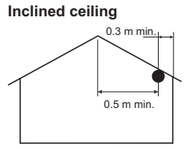
Failure to follow these instructions can result in equipment damage.

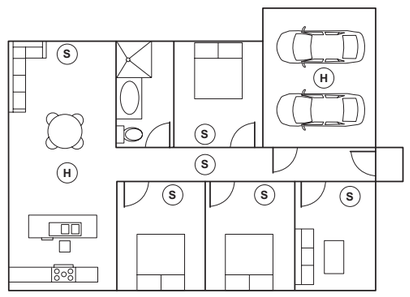


Flat ceiling

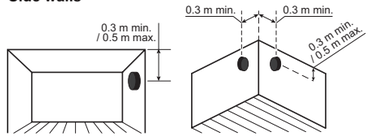


Inclined ceiling



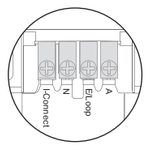


Side walls



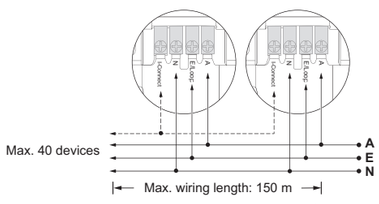
Installing the device

Terminal markings:
A: Active/Line
E/Loop: Earth or Loop
N: Neutral
I-Connect: Interconnect

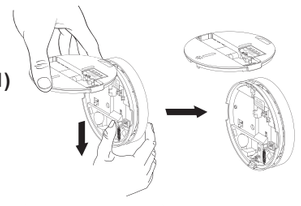




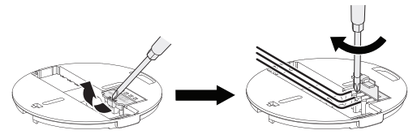
2 x 1.5 mm²
1 x 2.5 mm²
Max. 0.5 Nm



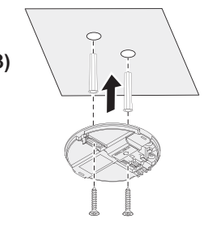
(1)



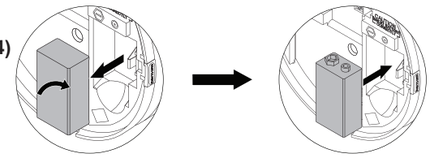
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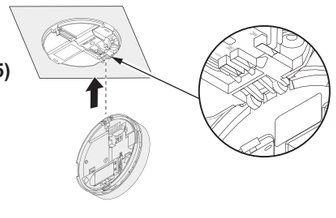
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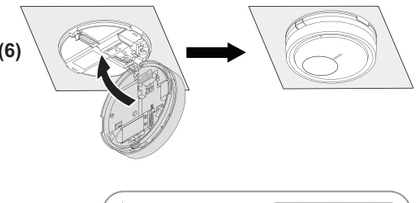
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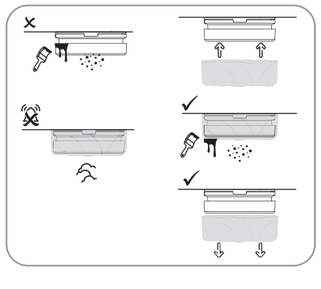


(5)



(6)





Photoelectric Smoke Alarm, Surface, 220-240V a.c.

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This product must be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- After installation this product must not be modified in any way.
- Isolate the electrical supply before doing any work on this product.
- Ensure that the product has been correctly installed and tested for safe operation before re-energising the electrical supply.

Failure to follow these instructions will result in death or serious injury.

NOTICE

EQUIPMENT INSTALLATION HAZARD

- Always operate the product in compliance with the specified technical data.
- Keep the installation instruction for the life of the product.

Failure to follow these instructions can result in equipment damage.

Operating elements

IMPORTANT: The backup power to the smoke alarm is supplied by a 9 V d.c. alkaline backup battery. The unit can not be closed onto the base, until the battery is installed.

Use batteries as recommended below:

- DURACELL MN1604
- ENERGIZER 522

Installation location

Note: The smoke alarm must be installed in accordance with the National Construction Code and any local state legislation requirements.

Installing the device

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK

Isolate the mains power supply before installing the device.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING

INCORRECT WIRING HAZARD

- All interconnected smoke alarms must be supplied from the same circuit.
- A common Neutral must be used for the Interconnect to operate.
- Max 40 smoke alarms can be interconnected.
- This device must be connected to 220-240 V a.c., 50 Hz power supply.

Failure to follow these instructions can result in death, serious injury or equipment damage.

1. Unclip the device from the mounting base to access the wiring terminals.
2. Use a screwdriver to open the terminal cover, then connect the wires as shown in the wiring diagram.
3. Secure the mounting base on the wall or ceiling.
4. Remove the battery, rotate it to align with the correct polarity, and reinsert it to power on the smoke alarm.
5. Clip the device back onto the mounting base.
6. Gently press the device to ensure that it locks into the mounting base.

Note: After installation, turn on the power supply. The green LED indicates that the device is powered by the mains power.

⚠ WARNING

EQUIPMENT NON-FUNCTIONAL HAZARD

Remove the dust cover before using the smoke alarm to ensure it functions properly.

Failure to follow these instructions can result in death, serious injury or equipment damage.

NOTICE

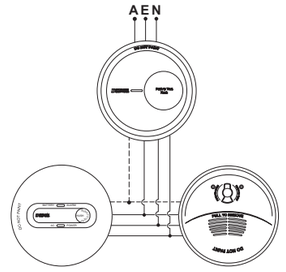
EQUIPMENT CONTAMINATION

Do not remove the dust cover until all construction work is completed. Construction dust and chemicals causes malfunction and false alarms.

Failure to follow these instructions can result in equipment damage.

Compatibility with other CLIPSAL Smoke Alarms

Wired connection



Wireless connection



This device is only compatible with CLIPSAL smoke alarms, heat alarms and its accesories.

Compatible devices for Wire connection: 755HA5L, 755PSMA5, 755PSMA5L, 755RB/5,755PSMA2/4, 755RLPSMA2/4, 755PFM4, CLP599WSA, 755WSA and 756

Compatible devices for Wireless connection: 755HA5L, 755LPSMA4, 755RFB2, CLP599WSAL, CLP599WSA, and 755WSA.

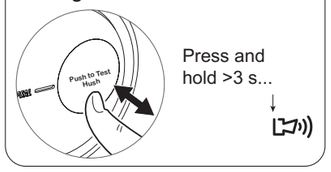
755PSMA4/755RLPSMA4 and 755PSMA5/755PSMA5L are compatible when mounted on the RF base (755RFB2).

IMPORTANT:

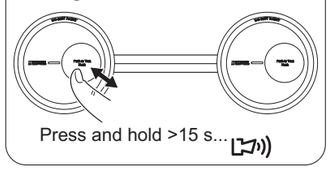
- A common neutral must be used on all wired devices.
- No additional configuration is required if all devices are wired in a group.
- For wireless connection and combination of Wired and Wireless Connection, refer to the installation instructions of 755HA5L, 755LPSMA4, 755RFB2, CLP599WSAL, CLP599WSA and 755WSA.

Operating the Smoke alarms

Testing a smoke alarm



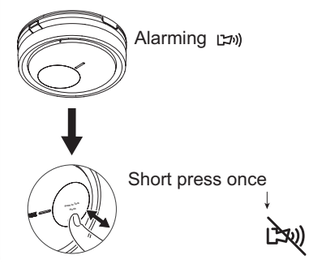
Testing wired smoke alarms



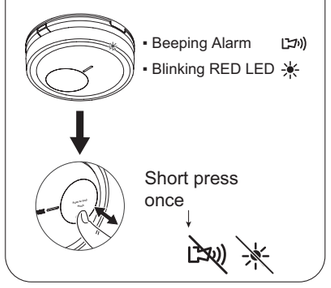
Testing wireless smoke alarms



Silencing the smoke alarm



Snoozing alerts



⚠ WARNING

DO NOT USE OPEN FLAME

Do not use an open flame of any type to test a device.

Failure to follow these instructions can result in death, serious injury or equipment damage.

Testing a smoke alarm:

IMPORTANT: Test the smoke alarm once in a month to ensure proper operation.

Press and hold the Test/Hush button for more than 3 s until an alarm sounds. If the test alarm does not sound, then the device may not be connected to power supply.

Testing wired smoke alarms:

- Select any wired device and press and hold the Test/Hush button for more than 15 seconds.
- All wired devices should sound an alarm. If no alarm is triggered across the network, check the wired connection setup and ensure all devices are within the specified range.

Testing wireless smoke alarms:

IMPORTANT: Testing of wireless smoke alarms is only possible when assembled with the 755RFB2.

- Select any wireless device and press and hold the Test/Hush button for more than 25 seconds.
- All wireless devices should sound an alarm. If no alarm is triggered across the network, check the wireless connection setup and ensure all devices are within the specified range.

Note: Once triggered, the alarm sound across the interconnected devices will continue for a few seconds even after releasing the Test/Hush button.

Silencing the smoke alarm:

» Hush feature

During an alarm event, identify the smoke alarm(s) with blinking red LEDs. Short press the Test/Hush button on the alarming device to silence the alarm. The alarm sound on all devices should stop within 5 - 10 seconds.

Note: During the hush time, the Standby LED blinks once every 8 s.

Snoozing alerts:

» Low battery

When the backup battery gets low, the standby LED blinks together with a single beep sounds every 40 seconds. Short press the Test/Hush button to snooze the alert for 10 hours.

⚠ WARNING

LOW BATTERY ALERT

- Replace the backup battery within 30 days of the first low battery alert.
- Test the operation of the smoke alarm whenever the battery is replaced.

Failure to follow these instructions can result in death, serious injury or equipment damage.

» Debug mode

If a fault is detected, the standby LED blinks twice together with two beeps sound every 48 seconds. Short press the Test/Hush button to snooze the alert for 10 hours. The device must be replaced by a licensed electrician as soon as possible.

» Alarm memory

In an interconnected group, when a device in the group is triggered by smoke. The red LED blinks every 2 seconds for 72 hours after the alarm or hush mode. This helps identify the triggered device, short press the Test/Hush button once to snooze the blinking LED for 10 hours.

Standby LED and alarming sound indications

Operating mode		LED Indication	Sound	Duration
Normal mode / Standby mode		Red Blinks every 40 s	OFF	—
ALARM MODE	One device	RED LED blinks 3 times every 4 s	Continous 3 beeps every 4 s	—
ALARM MODE	Interconnected device	OFF	Continous 3 beeps every 4 s	—
TEST MODE	One device	RED LED blinks 3 times every 4 s	Continous 3 beeps every 4 s	Until Test/Hush button released
TEST MODE	Interconnected device	OFF	Continous 3 beeps every 4 s	Few seconds after Test/Hush button is released
Hush mode		Red LED blinks every 8 s	Off	10 minutes
Low battery mode		Red LED blinks every 40 s	1 beep every 40 s	Replace the backup battery
Debug mode		Red LED blinks twice every 40 s	2 beeps every 40 s	—
Mains power On		Green LED	OFF	—
Alarm memory mode		Red LED blinks every 8 s	OFF	72 hours

Operating mode		LED Indication	Sound	Duration
SNOOZE MODE	Low battery	Red LED blinks every 24 s	OFF	10 hours
SNOOZE MODE	Debug	Red LED blinks twice every 24 s	OFF	10 hours
SNOOZE MODE	Alarm memory	Red LED blinks once every 40 s.	OFF	10 hours

Troubleshooting

Problem	Resolution/Action
Alarm sounds and the red LED is blinking rapidly	Smoke has activated the device. Vacate the building immediately and call the Fire and Emergency Services.
Alarm sounds but the red LED is OFF	Smoke has activated an interconnected alarm, located somewhere else in the building. Vacate the building immediately and call the Fire and Emergency Services.
Smoke alarm is sounding, it stops when Test/Hush is pressed	Hush or silence feature has been activated for 10 minutes, unless the smoke density increases. Ensure you are safe and have put out the source of the smoke.
Red LED blinks every 2 seconds	Alarm memory has been activated, indicating that this device triggered alarm within the group. LED stops blinking after 72 hours. Short press the Test/Hush to snooze the LED indication for 10 hours.
Red LED blinks 3 times per second.	1. Check the wiring connection between 2 or more devices. 2. Correct the wiring as per the wiring diagram.
When Test/Hush button is pressed for 3 seconds alarm sounds briefly	The device is in normal working condition. Test regularly to ensure proper operation.
When Test/Hush button is pressed for 3 seconds alarm does not sounds	The device may not be working correctly. Check and ensure that the Green LED is ON and the Red LED blinks every 40 seconds. If the problem persists, the device must be replaced by a licensed electrician.
Device does not produce alarm sound when tested	1. Ensure that device is mounted correctly and connected to the main power supply. 2. Press Test/Hush button until an alarm sounds. Do not press consecutively. 3. If the problem persists or if you have questions about the warranty, contact customer care center.
Device beeps and Standby LED blinks every 40 s	Low battery warning. Replace the back-up. battery with the recommended ones.
Device not closing onto the base	Backup battery is not installed. Insert a new backup battery.
Device beeps twice and Standby LED blinks twice every 40 s	1. Clean the device. Refer to Maintenance section. 2. If the problem persists or if you have questions about the warranty, contact customer care center.
Alarm sounds unexpectedly without smoke or steam	1. Press Test/Hush button to pause the alarm sound. Interconnected device stops alarming within 5 to 10 s. 2. Clean the device. Refer to Maintenance section. 3. Reinstall the device and test. 4. If the problem persists or if you have questions about the warranty, contact customer care center. **Note:** After an alarm event, the device that has blinking Standby LED every 2 s is the one that was triggered. Identify the device and follow steps 3 to 5.

Maintenance

The device is required to be inspected monthly to ensure it is free from dirt, dust and insects. The alarm can be vacuumed or brushed with a soft brush to remove dust, dirt or kitchen grease that has accumulated. Apply a small amount of insect surface spray to a cloth and wipe around alarm/s every 3-6 months to mitigate insect ingress.

Important: Always test the device after cleaning.

⚠ WARNING

EQUIPMENT MALFUNCTION

- Test the device regularly to ensure its functionality.
- The device must be replaced by a licensed electrician after 10 years from the date of service.
- Do not open the device casing or repair yourself. There are no serviceable parts inside.
- Inspect monthly to ensure that the device is free from insect, dust and dirt.

Failure to follow these instructions can result in death, serious injury or equipment damage

Technical data

Power Supply	220-240 V a.c., 50 Hz
Back up Battery Life	1 year
Operating Current	Max. 44 mA @ 220 – 240 V a.c.
Application Area	Indoor use only
IP rating	IP20
Sensing Type	Dual-transmission Photoelectric smoke chamber. This alarm contains NO radioactive material.
Storage Temperature	-20 °C to 65 °C
Operating Temperature	0 °C to 45 °C
Storage Humidity	0% to 90%, non - condensing
Ambient Humidity	0% to 90%
Cable Interconnection	Max. 40 devices up to 150 m
Terminal Provisions	Active, Neutral, Earth/Loop and Interconnect terminals, each accommodates 2 × 1.5 mm² or 1 × 2.5 mm²
Horn Level	85 dBA at 3 m
Mounting Type	Mounting on ceiling and wall only
Dimensions	Ø 140 × 44.5 mm
Standard	AS 3786: 2023
Certification	RCM Activfire SAI Global

Trademarks

Certified Product
TM Australian Standard
AS 3786: 2023
Lic SMK41660
SAI Global

We warrant this product for 10 years. For more information, contact customer care center.

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