

## Smoke Alarm

Product reference 2102-002



## INSTALLATION MANUAL

Version 1.4



- The Smoke Alarm will start searching (up to 15 minutes) for a ZigBee network to join.
- Make sure that the ZigBee network is open for joining devices and will accept this smoke alarm.
- While searching for a ZigBee network, the LED button on the back of the Smoke Alarm is flashing.



- If the scanning has timed out, a short press on the LED button will restart it.

**NOTE:** If the LED stops flashing for more than ten seconds, and a short press on the button does not restart it, the Smoke Alarm has successfully joined a ZigBee network.

### Modes

#### NORMAL MODE

- Front LED is flashing every 45 seconds.

#### ALARM MODE

- The simultaneous flashing of the front red LED and sounding of intermittent audible signal.
- When smoke is detected, the alarm will sound
- Press the "button/top" of the Alarm to acknowledge and stop the siren. The following 10 minutes, it will block alarms, allowing time to ventilate the smoke.

#### CHANGE BATTERY

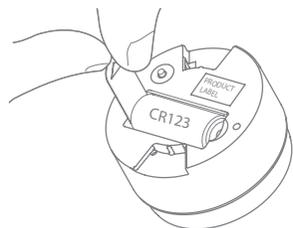
- Simultaneous audible signals and front LED flashes every 45 seconds.

#### CHANGE DEVICE

- NOT simultaneous audible signals and front LED flashes every 45 seconds.

#### SEARCHING GATEWAY

- Red LED light in the back of the device is flashing every second (up to 15 minutes)



**NOTE:** Do not remove the product label as it contains important information.

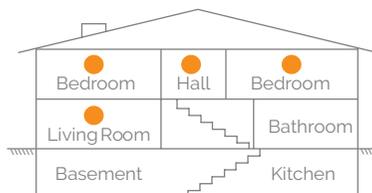
### Placement

#### PLACE THE ALARM

- Indoors at a temperature between 0-50°C.
- In bedrooms and on exit routes.
- The distance between the smoke alarm and walls, ventilation or other obstacles, should be at least 50 cm.
- The distance from a fireplace or a stove is at least 4 meters.
- Rooms larger than 80 m<sup>2</sup> require several smoke alarms in order to sustain full fire safety.
- Reachable for the battery testing and maintenance.



#### RECOMMENDED LOCATION



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#### DO NOT PLACE THE ALARM

- In dusty rooms.
- At the top of high pointed ceilings or in ceiling corners or within 50 cm of a wall.
- In kitchen, garage and fireplaces where damp, gases and smoke could occur.

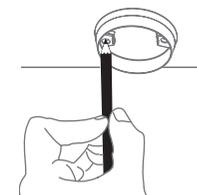
### Testing

- Always test the working order of the smoke alarm after installation or battery change.
- When pressing the alarm button, the alarm sound should be heard.
- A network alarm test can be performed by holding down the alarm button for at least 6.5 seconds (count 2 sets of 3 sound sweeps).
- A test message will be sent over the ZigBee network.
- Test all of your alarms once a week to ensure they are functioning correctly.

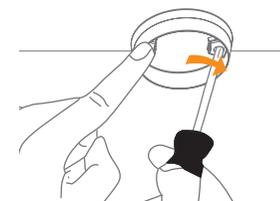


### Installation steps

1. Detach the alarm from the mounting base by twisting counter clockwise.
2. Use the mounting base ring to mark the screw holes on the ceiling or on the wall.



3. Use enclosed screws and plugs to install the mounting base on the marked place.



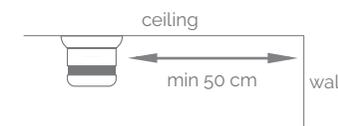
4. If the battery is missing or inserted incorrectly, it will be impossible to click the alarm in the mounting base.
5. Attach the alarm by twisting clockwise until it clicks.



### Mounting

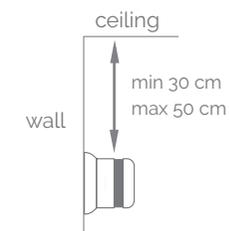
#### CEILING MOUNTING

The smoke alarm should be a minimum of 50 cm from the wall.

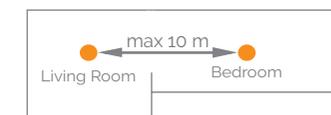


#### WALL MOUNTING

The smoke alarm should be a minimum of 30 cm and maximum of 50 cm from the ceiling.



There should be at least one smoke alarm per floor, and a maximum distance between smoke alarms of 10 meters.



### Resetting

Resetting is needed if you want to connect your smoke alarm to another gateway or if you need to perform a factory reset to remove abnormal behavior.

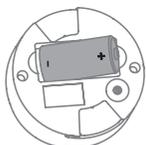
#### STEPS FOR RESETTING

1. Detach the alarm from the mounting base by twisting it counterclockwise.
2. Press and hold the LED button until it flashes continuously.
3. Release the button.
4. Resetting process is complete when the LED starts to blink.



## Battery replacement

- The Smoke Alarm works with 1 x CR123 battery.
- To replace the battery, detach the smoke alarm from the mounting base by twisting counterclockwise.
- Replace the battery respecting the polarities.
- Attach the alarm in the mounting base by twisting clockwise until it clicks, and test the alarm.



**CAUTION:** When removing cover for battery change - Electrostatic Discharge (ESD) can harm electronic components inside

## Fault finding & cleaning

- Dust particles in the smoke chamber can be removed by vacuuming the mesh.
- High humidity condensing can be resolved by drying the smoke alarm.
- If the smoke alarm does not work when the test button is pushed, the probable cause is a faulty battery. Replace the battery if it is worn out.
- In case of a bad or weak signal, change the location of the smoke alarm. Otherwise you can relocate your gateway or strengthen the signal with a smart plug.

## Other information

- Do not paint the alarm.
- Dispose the product and battery properly at the end of life. This is electronic waste which should be recycled.
- Note local country regulations regarding installation of mains powered alarms in new buildings.
- Note local regulations about information to your insurance company regarding installed smoke alarms.
- If a smoke alarm is activated, then the gateway will start the alarm buzzer on all other smoke alarms in the network. This function requires that the gateway supports this functionality.

## CE certification

The CE mark affixed to this product confirms its compliance with the European Directives which apply to the product and, in particular, its compliance with the harmonized specifications of standard EN14604:2005/AC:2008 relating to Construction Products Regulation 305/2011.



## Other certifications

- ZigBee Home Automation certified
- RoHS compliant according to the EU Directive 2002/95/EC
- DIN EN 14604
- EMC and EMF
- DIN 14676 certified



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