

FA3313, FA3322, FA3328 & FA3820 CARBON MONOXIDE ALARMS - USER MANUAL

The original English version of the manual, from which these translations were taken, has been independently approved. In case of discrepancy with translated parts, FireAngel Safety Technology Limited confirms that the English guide is true and correct.

For the earliest warning, we recommend this CO alarm is fitted in a room where the temperature is between -10°C (14°F) and 40°C (104°F). The CO alarm is suitable for use in domestic premises (caravan holiday homes), caravans, motor caravans and boats. This alarm must be installed by a competent person, able to install according to the instructions. Please keep this user manual in a safe place.

Technical Support
Online: www.fireangeltech.com/support
E-mail: technicalsupport@fireangeltech.com
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www.fireangeltech.com

TEST YOUR ALARM MONTHLY



BS EN 50291-1:2018
EN 50291-2:2019

GN567294

Note: This user manual is also available in large text and other formats. Please email: technicalsupport@fireangeltech.com or call 0330 094 5830 for further information

2. INSTALLATION

1. Alarm activation

To activate your CO alarm, pull the disabling tab out of the device.

FA3328 only: Activate the device by attaching the base plate.

Wait up to 1 minute for the green LED to flash to confirm the device is active.

Press the Test / **↔** button to test the alarm. The alarm will sound.*
(*The alarm will not sound before the 1 minute activation period is complete.)

Store away the disabling tab safely for later use.

NOTE: For user convenience, FA3322, FA3328 and FA3820 will sound at a low volume when the Test / **↔** button is pressed. To hear the alarm at full volume* double press the Test / **↔** button.

*85dB at 3m

If you are travelling or storing your alarm, CO alarms FA3313, FA3322 and FA3820 can be deactivated by refitting the disabling tag into the small hole on the underside of the alarm. Check the product is disabled by pressing the Test / **↔** button.

3. CO ALARM AWARENESS

A loud alarm is a warning that potentially lethal levels of carbon monoxide are present. **NEVER IGNORE THIS ALARM, FURTHER EXPOSURE CAN BE FATAL.**

Immediately check residents for symptoms of CO poisoning. Contact the proper authorities to resolve all CO problems.

ALARM

When dangerous levels of CO are detected a loud audible signal of 4 chirps repeated (85 dB at 3m) will sound & a red warning flash pattern will display every second. The higher the concentration of CO detected, the quicker the alarm will respond.

The alarm will sound: Between 60 & 90 mins when exposed to 50ppm of CO. Between 10 & 40 mins when exposed to 100ppm of CO. Within 3 mins when exposed to 300ppm or more of CO.

DEPENDING ON THE LEVEL OF CO DETECTED, IT CAN TAKE UP TO 10 MINUTES TO CLEAR THE SENSOR AND THE ALARM TO STOP. DO NOT RE-ENTER THE PROPERTY UNTIL THE ALARM HAS STOPPED.

The following symptoms may be related to CO poisoning which all household members should be aware of:

- Mild Exposure: Slight headache, vomiting, fatigue (often described as 'flu-like' symptoms).
- Medium Exposure: Severe throbbing headache, drowsiness, confusion, fast heart rate.
- Extreme Exposure: Unconsciousness, convulsions, cardiorespiratory failure, death.

ALARM SILENCE

WARNING: If the cause of an alarm is not ventilated and evacuated properly before using this feature.

Press the Test / **↔** button.

The sounder will stop and enter into Silence mode for 5 minutes.

NOTE: The alarm will not silence if more than 150ppm has been detected.

Silence mode can only be activated once (until CO returns to negligible levels).

Once the Silence mode is enabled, if the CO level rises above 150ppm the device will exit Silence mode and continue to sound.

After 5 minutes if the CO level still high the device will continue to sound.

VENTILATE & EVACUATE

4. MAINTENANCE

Test the alarm every month. Press the Test button.

The alarm will sound.

If the alarm does not sound, contact Technical Support.

NOTE: The above method fully tests all elements of the alarm. Additional but not essential testing may be conducted using the Sense-CO Test mode and CO gas. For information and instructions on the correct method of gas testing your alarm visit www.fireangeltech.com/sense-co

- Do not use any other test method except the process described in this manual.
- Do not tamper with the alarm as this could cause electric shock or malfunction.

Vacuum your alarm every 3 months. Do not use cleaners or solvents. Do not paint the alarm.

Replace the alarm every 10 years.

The replacement date can be found on the 'REPLACE BY' **⊙** marking on the alarm.

1. POSITIONING

In which room should the alarm be installed?

Your carbon monoxide (CO) alarm is suitable for the landing, hallway, bedroom, living room, dining room and kitchen.

Common sources of CO include: oil and gas boilers, portable generators, oil or solid fuel cookers, gas or paraffin heaters, barbecues, clogged chimneys, wood or gas fireplaces, any gas or fossil fuel-burning appliance and even adjoining properties.

Do not install the CO alarm in areas which are excessively dusty, dirty or greasy. Dust, grease and household chemicals can affect the performance of the sensor.

Additional alarms may be installed to ensure that adequate warning is given for occupants in other rooms, by locating alarms in:

- Remote rooms in which the occupants spend considerable time whilst awake and from which they may not be able to hear an alarm from apparatus in another part of the premises; and,
- every sleeping room.

Alarms located in sleeping rooms and in rooms remote from a fuel-burning appliance should be located relatively close to the breathing zone of the occupants.

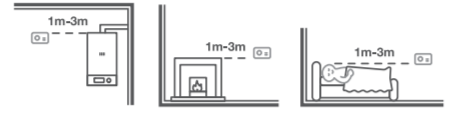
For further guidance on siting and mounting of the apparatus consult EN 50292. Installation of the alarm should not be used as a substitute for proper installation, use and maintenance of fuel burning appliances including appropriate ventilation and exhaust systems.

Caravans & Boats

Caravans & boats have additional risks due to the presence of other vehicles, engines, generators or barbecues, however this does not change the basic guidance on locating the alarm. Caravans & boats should have an alarm in the same room as any fuel-burning appliance, located in accordance with advice above. If the caravan has a single living space, one alarm is sufficient. However, any sleeping accommodation which is in a separate room from the fuel-burning appliance should also contain an alarm.

The two most important considerations when positioning your alarm are:

- Not to place the alarm directly above a source of heat or steam;
- Positioning the alarm at a distance of 1 - 3 m from the nearest edge of the potential source.



Where in the room should I place the alarm?
Alarms located in the same room as a fuel-burning appliance should be:

- at a horizontal distance of between 1m - 3m from the potential source.
- located on the same side of a partition as the potential source.
- located at the high side of the room, if sloped ceilings are present.

If on a wall the alarm should be:

- Close to the ceiling, at a height greater than any door or window and at least 150mm from the ceiling.
- If the alarm is on the ceiling it should be at least 300mm from any wall & any ceiling obstruction e.g. light fittings

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Where wall mounting is required, secure the device using 2 x 3.5mm (No 6) CSK screws (not included).

Drill holes into the wall.

Space holes 70mm apart* (See templates below)

Space holes 56mm apart* (56mm for FA3328)

Space holes 70mm apart* (70mm for FA3313, FA3322 & FA3820)

Check the alarm is secure. NOTE: For FA3313, ensure batteries do not dislodge when removing unit from the wall.

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