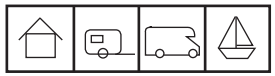
1. Welcome

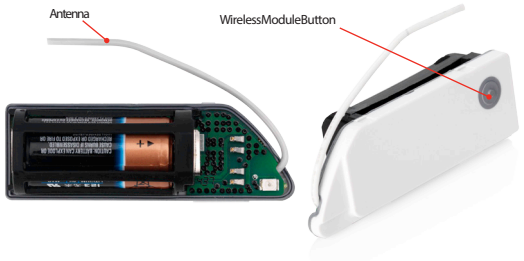
Thank you for purchasing this X-Series Wireless module.



The symbols above mean that the wireless module is suitable for use in domestic premises (including static caravan holiday homes), caravans, motor caravans and boats.

This manual contains important safety information about the installation and operation of the wireless module. Read the manual carefully and keep it in a safe place for future reference.

2. Description



All Honeywell X-Series alarms can be wirelessly interconnected using the XW100 plug-in module. This means that if one X-Series Carbon Monoxide or smoke or heat alarm triggers an alarm, all interconnected units will give an audible alarm as well. This is especially useful, when living in a large or multi-story dwelling where the alarm may be triggered in another part of the building.

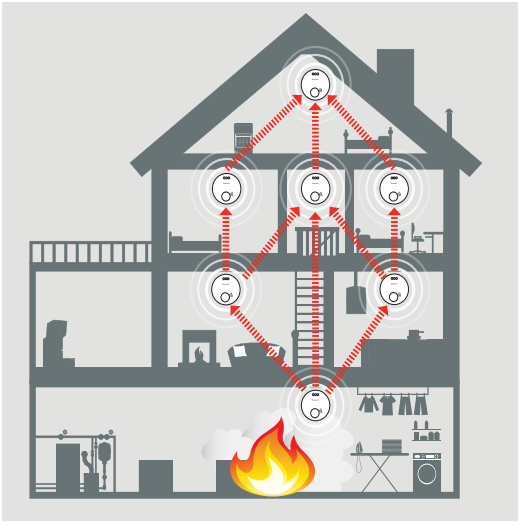
The device includes a wireless module button which is used to configure and operate the module, a blue Wireless Module LED which signifies various statuses and an antenna.

3. About wireless interconnection alarms

Interconnecting smoke, heat and Carbon Monoxide alarms is essential to provide the earliest possible warning of a danger in a building. The sooner occupants are alerted to a fire or the presence of Carbon Monoxide, the lower the risk of death or injury. Furthermore, the potential for property damage is reduced. Hard wired interconnection is expensive, time consuming and disruptive and a hard wired system is difficult and expensive to reconfigure when circumstances (or standards) change.

Wireless module XW100 provides a solution for the interconnection of Honeywell's X-Series alarms. Using XW100 module's wireless capabilities, you can easily install your alarm network without the need for drilling, disturbing pipes or decor. The smoke alarms, heat alarms and Carbon Monoxide alarms are interconnected by wireless signals rather than cabling all the X-Series alarms, creating a safety system that is simpler, more convenient, and easier to change or extend as and when required. XW100 allows all the alarms in the network to see each other, allowing for a stronger and more responsive network.

As there is no wiring required, it allows a quicker, simpler and more cost effective solution to interconnected residential alarm installations.



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Awaiting new BSI logo

BS EN 50291-1
Kitemark applies when used in conjunction with X-series Carbon Monoxide Alarms

0333
DOP-RSA001
EN 14604: 2008

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Acts for and on behalf of Life Safety Distribution AG, Javastrasse 2, 8604 Hegnau, Switzerland by its Authorised Representative Honeywell Inc.

Operating and Installation Instructions

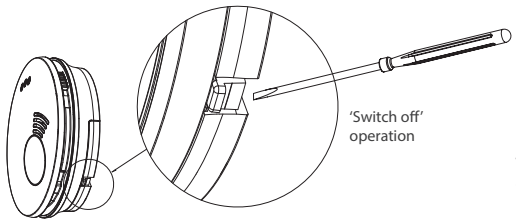
Honeywell

XW100 Wireless Module

4. Installation

For installation of your smoke or Carbon Monoxide alarm, refer to the alarm's manual.

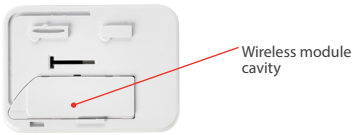
1. Use a screwdriver to release the alarm from its mounting plate



2. Turn the alarm over to gain access to the reverse of the alarm

X-Series Smoke Alarm

X-Series Carbon Monoxide Alarm



3. Place the wireless module in the cavity on the rear of the alarm, ensuring the antenna is on the side with the exposed connectors

4. Fold the antenna between the alarm outer rim and the module casing, ensuring it sits beneath the alarm's outer rim

5. Once the wireless module has been configured, clip the alarm back onto its mounting plate to reactivate it

Caution: Do not repeatedly insert the wireless module into the host alarm as that will weaken the module connectors.

5. XW100 wireless module operation

The XW100 wireless module allows a smoke or heat alarm or Carbon Monoxide alarm that senses a hazardous condition to alert all other alarms on its network, making occupants aware of an alarm in another part of the building and allowing them time to evacuate.

Configuration

Before operation, please follow these preliminary steps:

1. Insert the wireless module in the alarm unit, this will activate the module. Follow the instructions in 'Installation' section

2. Briefly press the wireless module button

The blue LED will emit either:

- a short flash ➔ the module must be configured to join a network (see below), or

- a sequence of flashes (see note 1 on page 10) ➔ it is already configured to work in a network, this indicates the module is active.

Caution: The blue wireless module LED is visible on the front cover of the alarm, so should not be confused with an alarm LED.

If your XW100 wireless module must be configured; remove the host alarm rear cover (if fitted) to access the module.

Creating a new network

To create a new network, press the button on the front of each alarm twice (when the wireless module is not in a configured state). The blue wireless module LED on the front of the alarm will blink, refer to Section 2 'Description' for LED location.

During the network creation, the blue LED on the front of each

alarm will flash every three seconds to indicate how many modules are present in the network (see note 1). The XC100D LCD display, provided that the alarm has been activated, will also display the antenna icon and the number of paired modules in the network.

Please note the maximum number of devices that can join a network is 32. When the number of flashes on each unit indicates the correct number of modules present in the network, the configuration session can be completed. To complete the process, either:

a. Press the wireless module button for three seconds or

b. Press the alarm button (provided that the alarm has been turned on for more than 30 seconds, see also note 2)

If the configuration session is not stopped by the user, the units will automatically stop the session after one hour from the beginning of the process.

End of a configuration session is confirmed by the wireless module LED blinking rapidly for one second. When a wireless module is configured, and turned on, it automatically enters normal operating mode.

Be aware that, in case a wireless module is turned off during the network creation (e.g. by removing it from the alarm), the pairing session must be restarted for the relevant device. Press the wireless module button for three seconds to restart the procedure.

Note 1: Every long (half second) flash corresponds to 5 modules. Every short flash corresponds to 1 module.

Note 2: For CO alarms with Software 1.5 you may need to wait up to 10 minutes before performing this test (Software version is printed on the back of the alarm housing).

Should any module receive messages from another network, it is sufficient to rebuild the network again, as described in section 'Rebuilding a network'.

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Expanding an existing network

If you are expanding a network with a new XW100 module, press the wireless module button three times on both the new XW100 module and a module already in the network.

If you are adding a XW100 module that has previously been in a network, ensure all configuration data from that network is removed from the module. Refer to section 'Removing a module from the network' for how to remove configuration data. Once the configuration data is erased, press the wireless module button three times on both the new XW100 module and a module already in the network.

When the number of flashes on each configured alarm indicates the correct number of modules present in the network, the configuration session can be completed as above.

Operation

Briefly press the wireless module button to see how many wireless modules are present in the network. The LED will emit a sequence of flashes indicating the number of modules present in the network (see note 1). This confirms the wireless module is in normal operating mode.

During normal operation, if the wireless module button is pressed on one of the wireless modules, all the modules within the network emit a sequence of LED flashes indicating the number of paired modules. This indicates that all wireless modules are communicating successfully with each other in the network. If the alarm button is pressed (see note 2) on the smoke or Carbon Monoxide alarm, the wireless module LED will flash indicating that it is communicating with its host alarm.

Removing a module from the network

If you need to remove a module from a network, or reconfigure it, press the wireless module button for five seconds, provided the module is in normal operating mode.

The LED on the wireless module will blink rapidly for five seconds and inform all modules in the network it has left the network. This is confirmed by each modules blue LED's flashing for about 30 seconds.".

Once the LED has stopped flashing, the module can be added to a new network, as described in section 'Expaning the existing network'.

Rebuilding a network

If a faulty XW100 module leaves a network, the network might still recognise it as active. If it does, the network will need to be rebuilt. Press the wireless module button for ten seconds on any module in the network, provided the module is in normal operating mode. The wireless module will then send a rebuild command to the other modules in the network. This is confirmed by each modules LED's flashing for ten seconds. A new network creation will then start automatically and will need to be completed once the correct number of alarms in the network has been recognised by each alarm's LED flashes. Refer to section 'Creating a new network' for how to complete the process.

6. XW100 Precaution during use

Your alarm is a life saving device and should be tested regularly. To test your alarm, refer to the product's manual. To test the XW100, follow the instructions in the 'Testing your wireless module' section.

7. Testing your wireless module

To test your XW100 wireless module, press the test/hush button of the alarm in which the wireless module is situated for 18 seconds. Once the alarm has completed its alarm test cycles, it enters a Remote Test state comprising 1 red LED flash with a chirp every 6 seconds. This is repeated by all interconnected alarms, enabling each connected alarm to be checked at the same time. Pressing the same test/hush button again returns all the alarms back to normal operating mode. Alternatively, if the test/hush button isn't pressed, units return to a normal operating mode after 10 minutes.

8. Conformance

The wireless module conforms to the Restriction of Hazardous Substances (RoHS) Directive; Electromagnetic Compatibility (EMC); Registration, Evaluation, Authorisation and Restriction of Chemicals (REACh) regulation; and Radio and Telecommunications Terminal Equipment (R&TTE) directive.

9. Specification

- Radio frequency 868 MHz band
- Non replaceable Lithium Battery
- Operating temperature range: -10°C to 55°C
- Humidity: 25% to 95% non-condensing
- Up to 32 units
- Flooding network (each node acts as a transmitter and a receiver, each node tries to forward every message to every one of its neighbors)
- Blue LED visible through main alarm frontal interface
- Button for network configuration and test free space
- Lifetime and warranty: 10 years
- Output power: 14 dBm (nom)
- Range: 200 m in free air (min)
- Alarm Transmit Interval: 10 s
- Weight: 30 g

10. Recyclable packaging

The Green Dot logo signifies that we are a member of an organisation which collects and recycles packaging. Our packaging is widely recycled using local facilities.

11. Troubleshooting and getting assistance

If after you have carefully read all instructions and your wireless module still fails to work, contact the nearest customer service centre listed in the "Contact Us" section at http://homesafety.honeywell.com. Customer service advisors may be able to resolve your problem quickly. Alternatively contact your local supplier.

If the product needs to be returned for repair or replacement, ensure it is sent in a padded box with a letter describing the fault and postage paid.

A proof of purchase must be required to claim a repair under warranty.

12. End of life

The low battery fault, signaling the end of the wireless modules life, will be given by three chirps every minute on the host alarm. Please refer to the user manual of the host alarm.

When the unit has come to the end of its life, dispose of it in accordance with local regulations. It is classified as electronic waste and contains a battery; and therefore should be disposed of separately from household waste.

13. Disclaimer

This Wireless Module is designed to act within a network to alert you to a potentially dangerous fire or build-up of Carbon Monoxide gas (depending on the host alarm). It is not designed to remedy a fire or Carbon Monoxide problem nor to locate a specific source of fire or Carbon Monoxide. Honeywell shall not

be liable to pay for any fire or Carbon Monoxide investigation or service call carried out or arranged in response to an alarm. Please note that alarm designs may change from time to time and the images in this manual should only be used as a guide.

14. Warranty

Honeywell warrants your new XW100 wireless module for ten years from the date of purchase by the end user or until the expiry date printed on the unit, whichever occurs first, according to the specifications as set out in this instruction manual.

We will, at our discretion, repair or replace, with same or similar product, any part of the wireless module which is found to be defective in either material or workmanship within the warranty period.

We shall be under no obligation to repair or replace wireless modules which are found to be defective in any way due to unreasonable use or neglect, improper storage, use or maintained not in accordance with the user manual or if the product has been tampered with or found to have been dismantled.

This warranty is instead of and excludes all warranties implied by law, and to the extent permitted by law, our liability under the warranty is capped at the price of the product. In no event are we liable for (a) any direct, indirect, incidental, consequential loss; (b) any loss arising from business interruption; (c) loss of profits; (d) loss of revenue; (e) loss of use of any property or capital; (f) loss of anticipated savings or loss of data.