



ORCA WIRELESS INTERLINK ALARM CONTROLLER



MODEL: OM866C-10RF

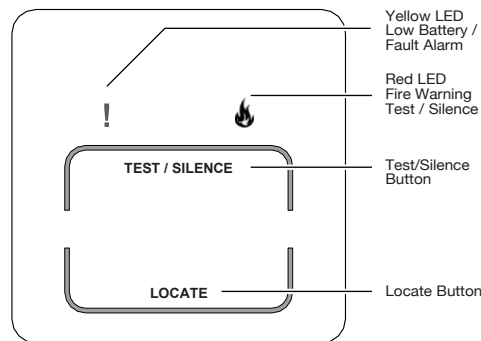
The ORCA OM866C-10RF Alarm Controller can link to and control up to 29 alarms in the ORCA Gen 2 wireless range, consisting of smoke and heat alarms. Gen 2 units can be easily identified as they have "10RF" in the model number.

This instruction leaflet contains important information on the correct installation and operation of the Alarm Controller. Read this leaflet fully before attempting installation and retain for future reference.

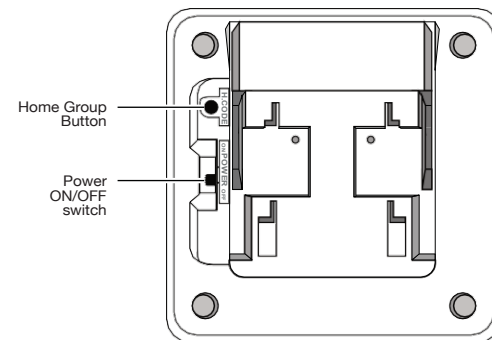
Control Unit Functionality

Function	Description
Test	All of the Alarms can be tested from a centralised location
Locate	This will silence all the Alarms in the system except the one sensing Fire
Silence	This will silence the Home Group
Fire Indicator	Indicates that a Fire Alarm has been activated
Low Battery Indicator	Indicates that the Control Unit battery has reached the end of its life
Memory	The memory feature allows the Alarm Controller to stay connected with other Orca wireless alarms

Front View of Controller



Rear View of Controller



TECHNICAL SPECIFICATION

Power Supply	Long-Life Lithium battery (10 years)
Battery Capacity	1600 mAh
RF Frequency	868.3Mhz
Operating Temperature	0°C to 40°C (Cat 3)
Humidity	15% - 95% (Non Condensing)
Receiver Category	Cat 2
EMC Performance	EN 301 489-1, EN 301 489-3
Safety Testing	EN 60065
RF Power	+7dBm
Number of RF Alarms	30 per Home Group including the Alarm Controller

HOME GROUPING

It is essential to "Home Group" the Alarm Controller to all of the alarms in your system, to ensure they will not communicate with any other nearby systems. Failure to "Home Group" the system will prevent it from operating correctly.

There are two methods to create your Home Group.

Method 1 - EXISTING ALARMS - Follow this process if you have bought a new Alarm Controller to go with your existing alarm network which is already installed.

Method 2 - NEW ALARMS - Follow this process if you have bought new smoke/heat alarms and an Alarm Controller and nothing has yet been installed. Start at Step 8 below.

METHOD 1 - SETTING UP THE HOME GROUP FOR EXISTING ALARMS

It is easiest to pair the Alarm Controller and your existing alarms with all of them sitting on a table in front of you.

You will first need to remove your existing alarms from the ceilings together with their mounting plates. If your alarms are attached using the Orca Magnetic Quick Mount, just pull them off the magnetic mount.

These alarms will need to be unpaired before creating a new Home Group.

1. Gather the Alarm Controller and all the alarms together.
2. Attach the mounting plates to each alarm by turning clockwise. This will activate the batteries and turn them on.
3. Select one of the paired alarms.
4. Press wireless pairing button 5 times. The LED will FLASH RED for a few seconds.



5. This alarm is now unpaired.
6. Repeat from Step 3 for each remaining paired alarm until all the alarms are unpaired.
7. The remaining steps are the same as for new alarms. So continue from Step 8 below.

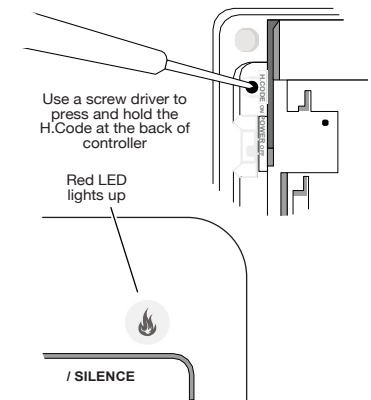
METHOD 2 - SETTING UP THE HOME GROUP FOR NEW ALARMS

It is easiest to pair the Alarm Controller and your new alarms with all of them sitting on a table in front of you.

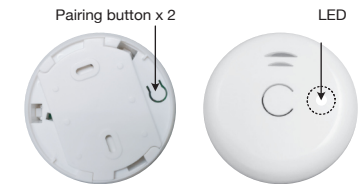
8. Turn on the Alarm Controller with the power switch on the back.
9. Attach the mounting plates to each alarm by turning clockwise. This will activate the batteries and turn them on.
10. Press and hold the "Home Group" button (H.CODE) on the back of the Alarm Controller until the Red LED lights up on the front as pictured below, then release. Now the Alarm

Controller is in "Home Grouping" mode.

Note: The "Home Grouping" mode on the controller will be active for 2 minutes 30 seconds. After this period, it will turn off automatically.



11. Select one of the unpaired alarms.
12. Press wireless pairing button twice. The LED will FLASH RED for a few seconds.
13. This alarm is now paired to the Home Group.



14. Repeat from Step 11 for each additional alarm. Ensure the Red LED stays lit on the Alarm Controller throughout. If it goes off before you have finished, repeat Step 10 and continue from Step 11 with any alarms not yet joined to the Home Group.
15. All of the alarms are now joined to the Home Group and can be installed.

Note: The Alarm Controller and all of the connected Home Group alarms have a memory function. When they are disconnected from their power supply or turned off (i.e. for installation) they will remain joined to the Home Group.

RANGE

All the Orca OM866 Gen 2 models have a wireless connection range of 30-50m.

Gen 2 units can be easily identified as they have "10RF" in the model number.

OPERATION

Frequent testing of the system is advised to ensure its continued and safe operation. Guidelines and best practices for testing are as follows:

- After the system is installed.
- Once weekly thereafter.
- After prolonged absence from the dwelling (e.g. after you've been on holiday).
- After repair or servicing of any of the alarms in the system.

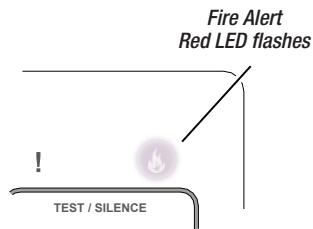
TESTING THE ALARM SYSTEM

1. Hold the "TEST / SILENCE" button on the Alarm Controller for half a second. The red LED will light up for 2 minutes 30 seconds to indicate it is in test mode. In this period, the Alarm Controller will constantly send a signal to all Home Grouped alarms.
2. All of the Home Grouped alarms linked to the Alarm Controller will sound.
3. To manually exit the test mode, press the "TEST / SILENCE" button once more. The red LED will turn off and all alarms will stop sounding within 16 seconds.

Note: The test mode will automatically turn off after 2 minutes 30 seconds. If the test fails go to the Troubleshooting" section.

WHEN AN ALARM ACTIVATES

When an alarm activates, it will emit a loud pulsating alarm, then within 16 seconds the entire Home Grouped network will activate throughout the house.



Here is what to do:

Firstly establish whether there is a fire or if it just a false alarm.

- You can quickly locate the alarm which triggered the system by holding the 'LOCATE' button on the Alarm Controller for half a second. The red LED on the Controller will change from flashing to a steady glow.
- Alternatively, if you are not near the Alarm Controller, you can press the Hush button on the nearest alarm.
- Within 16 seconds, all Home Grouped alarms will stop sounding except the triggered alarm.

Note: The Alarm Controller will automatically turn off the Locate Mode after 2 minutes. If the triggered alarm is still sounding, all Home Grouped alarms will resume sounding.

IF ITS A FIRE ...

- Leave the building as quickly as possible. Check room doors for heat or smoke. Do not open a hot door. Use an alternate escape route. Crawl along the floor, if possible, breathing through a wet cloth or hold your breath. Do not stop to collect anything.
- Meet at a pre-arranged meeting place outside the dwelling and check everybody is there.
- Call the Fire Brigade from outside the building immediately. The brigade should be summoned regardless of the size of the fire and regardless of whether there is a facility for transmission of alarms to a remote manned centre.
- Do not go back inside a burning building to wait for the Fire Brigade to arrive.

IF ITS A FALSE ALARM ...

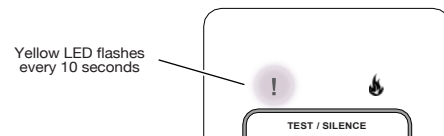
If you are satisfied there is no fire, but an alarm is still sounding, you may now silence the system.

- Hold the "TEST / SILENCE" button for half a second. The red Fire Alert LED on the Alarm Controller will change to a steady glow.
- After 5 seconds, the triggered alarm will enter silence mode. All other Home Grouped alarms will stop sounding. The silence function is now active.
- Check the house carefully in case there is a small fire smouldering somewhere.
- Check whether there are some sources of smoke or fumes. You should get your family into a safe place before your investigation.
- If there are frequent nuisance/false alarms it may be necessary to re-locate the alarm. If for some reasons the alarm continues to give false alarms, contact your supplier. If cleaning the alarm does not correct the problem it can be returned to the place where you bought it.

LOW BATTERY WARNING SIGNAL

The Alarm Controller uses a sealed lithium battery which will last for approximately 10 years under normal use.

When the battery gets low, the yellow LED light flashes every 10 seconds. The Alarm Controller must be replaced for a new one.



RESET THE HOME GROUP

Sometimes, e.g. to resolve a communication issue, it may be necessary to reset the Home Group.

Start at Step 1 in the HOME GROUPING section on the previous page.

TROUBLESHOOTING

If any of the Home Grouped alarms do not respond correctly (see TESTING THE ALARM SYSTEM) then:

- i. Ensure the Alarm Controller has been powered on correctly.
- ii. Check that unresponsive alarms have been powered on correctly and work with their individual Test buttons.
- iii. With unresponsive alarms, repeat the steps in the HOME GROUPING section from Step 10.
- iv. Relocate the Alarm Controller and/or rotate/relocate the alarms. There are a number of reasons why the RF signals may not reach all of the alarms in your system. Therefore try rotating or relocating the alarms (e.g. move them away from metal surfaces or wiring) as this can significantly improve signal reception. Return all of the devices to factory settings by following the RESET THE HOME GROUP procedures.
- v.

WARNING!

If there is any question as to the cause of an alarm, it should be assumed that the alarm is due to an actual fire and the dwelling should be evacuated immediately.

THIS PRODUCT IS A SEALED UNIT AND CANNOT BE REPAIRED – IF THE UNIT IS TAMPERED WITH, IT WILL INVALIDATE THE WARRANTY. IF THE UNIT IS FAULTY PLEASE RETURN IT TO YOUR ORIGINAL SUPPLIER WITH YOUR PROOF OF PURCHASE.

LIMITED WARRANTY

This Alarm Controller is warranted to be free from defects in materials and workmanships under normal use and service for a period of ten years (excludes battery) from date of purchase.

NEWFIELD GROUP LTD (NEWFIELD) will not be obligated to repair or replace parts which are found to be in need of repair because of misuse, damage or alterations occurring after the date of purchase.

The liability of NEWFIELD arising from the sale of this Alarm Controller shall not in any case exceed the cost of replacement of the Alarm Controller.

NEWFIELD shall have no liability for any personal injury or property damage, or any special incidental, contingent or consequential loss or damage of any kind resulting from a fire. The exclusive remedy for breach of the limited warranty contained herein is the repair or replacement of the defective product at NEWFIELD's option. In no case shall NEWFIELD's liability under any other remedy prescribed by law exceed the purchase price.

Send the Alarm Controller with proof of purchase, postage and return postage prepaid, to your local supplier.

Your alarm system is not a substitute for property, disability, life or other insurance of any kind. Appropriate coverage is your responsibility. Consult your insurance agent.

This does not affect your statutory rights. This alarm system is only suitable for single occupancy private dwellings and not intended for multi occupancy private dwellings or commercial or industrial dwellings.

**Manufactured for
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