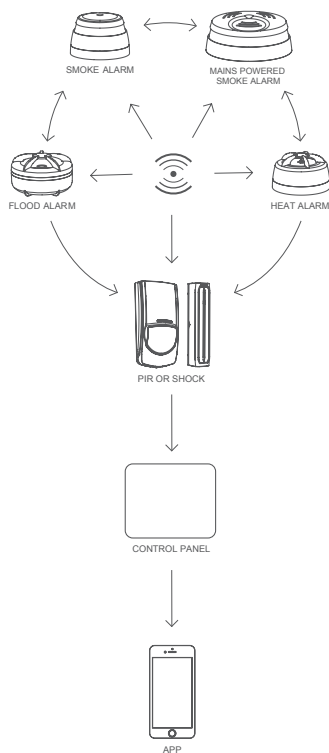




Fire & Flood Detectors

Instruction Manual



www.orisec.co.uk

1 System Requirements

In order to use the Fire / Flood detector with Orisec control panels the following requirements must be met:

The system must be fitted with at least one of the following Orisec Wireless devices:

- W-IR/QD-100
- W-IR/QD-200
- W-DT-300
- W-SD
- W-SD-MC

The Orisec Control Panels that support the Fire and Flood detectors are:

- CP-10 Version 1.00 or above
- CP-20 Version 1.00 or above
- CP-30 Version 3.00 or above
- CP-50 Version 3.00 or above
- CP-100 Version 3.00 or above
- CP-200 Version 3.00 or above
- W-CP-40 Version 1.30 or above

4 Learning a Group of Detectors to a Zone

It is recommended that the learning process is carried out before installation of the detector.

1. To learn a group of Fire / Flood detectors to a zone, select the "Setup Wireless Zones" menu, then select the zone you require. Select the "Learn" mode by pressing the down arrow key:

Zone 01: Fire Detectors
ID:
No device learnt...
... **Learn**

2. On ALL Fire / Flood detectors slide the "Mode" Switch to the "Learn" position, the LED on ALL devices will light.
3. Press the "Test" button on one of the detectors for a couple of seconds. Its LED will start to flash. If successful, the control panel will show the learnt detectors (it may take up to 10 seconds for the device to register):

Zone 01: Fire Detectors
ID: 00000000AD95
2.9V, 25°C, 95%, T1
WCFD **Status**

4. When all Fire / Flood detectors have flashing LEDs, they are learnt with each other.
5. On ALL Fire / Flood detectors slide the "Mode" Switch to the "Normal" position, the LED on the device will go out.
6. Now install the detectors in their required locations.

2 Commissioning Fire and Flood Detectors with Orisec Control Panels

Before learning the devices, first decide if you want each Smoke/heat to be learnt as individual zones, e.g., Zone 1 = Kitchen, Zone 2 = Upstairs, Zone 3 = Downstairs or for the whole group to learnt as a single zone, e.g., Zone 1 = Fire Detectors.

Ensure the "Enable Fire / Flood Radio" option is enabled in "Systems Options->Radio Options" menu.

If devices are going to be grouped, then ensure the "Enable Fire / Flood Groups" option is enabled in "Systems Options->Radio Options" menu:

☒ Wake up in Entry
☐ Enable comfort LEDs
☐ Enable Fire / Flood Radio
☒ Enable Fire / Flood Groups

After changing the "Radio Options" it is advisable to activate the Orisec Wireless detectors in order to invoke compatibility.

3 Learning each Detector to a Separate Zone

It is recommended that the learning process is carried out before installation of the detector.

1. To learn a Fire / Flood detector to an individual zone, select the "Setup Wireless Zones" menu, then select the zone you require. Select the "Learn" mode by pressing the down arrow key:

Zone 01: Kitchen Heat Sensor
ID:
No device learnt...
... **Learn**

2. On the Fire / Flood detector slide the "Mode" Switch to the "Learn" position, the LED on the device will light.
3. Press the "Test" button on the detector for a couple of seconds. If successful, the control panel will show the learnt detector (it may take up to 10 seconds for the device to register):

Zone 01: Kitchen Heat Sensor
ID: 00000000AD95
2.9V, 25°C, 100%, T0
WCFD **Status**

4. On the Fire / Flood detector slide the "Mode" Switch to the "Normal" position, the LED on the device will go out.
5. Repeat steps 1 to 4 for other Fire / Flood detectors on different zones.
6. Once all detectors have been learnt, you now need to learn all devices to each other so that the sounders will all operate in the event of an alarm. On ALL Fire / Flood detectors slide the "Mode" Switch to the "Learn" position, the LED on ALL devices will light.
7. Press the "Test" button on one of the detectors for a couple of seconds. Its LED will start to flash. When all Fire / Flood detectors have flashing LEDs, they are learnt with each other.
8. On ALL Fire / Flood detectors slide the "Mode" Switch to the "Normal" position, the LED on the device will go out.
9. Now install the detectors in their required locations.

5 Learning Multiple Groups

It is possible to learn multiple groups of detectors, for example you may have 3 fire detectors and 2 flood detectors that you want to assign to two zones on the control panel. Zone 1 is going to be used for the fire detectors and zone 2 is going to be used for the flood detectors.

1. Learn the first group of detectors to zone 1 following the "Learning a Group of Detectors to a Zone" procedure. Only put the 3 fire detectors in "Learn" mode at step 2.
2. Learn the second group of detectors to zone 2 following the "Learning a Group of Detectors to a Zone" procedure. Only put the 2 flood detectors in "Learn" mode at step 2.

Note: When configured as multiple groups the sounders on the Fire / Flood Detectors are only linked within the same group, i.e., a flood detector in group 2 will not trigger the sounder of group 1 fire detectors and visa versa.

6 Testing Detector Operation with Control Panel

The detector operation may be tested as follows:

1. On any of the installed Fire / Flood detectors press and hold the test button for **10 seconds, then release.**
2. After releasing the test button, the detector initiates a test transmission.
3. The control panel should respond with 10 seconds by going into alarm on the zone that the detector is assigned.
4. The other Fire / Flood detectors will emit a short beep and the LED will flash every 8 seconds for 2 minutes. The test mode can be cancelled at each device by simply pressing the test button.

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