FireVibes

WC0010
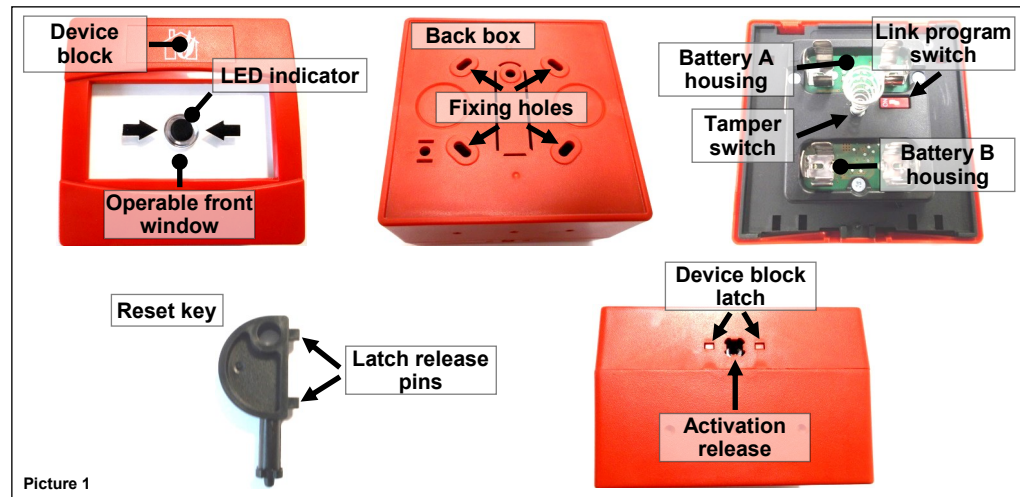## Wireless Resettable Call Point

GENERAL DESCRIPTION

The **WC0010** call point permits the manual activation of a fire alarm. After its use, the call point can be reset with its proper key, making it immediately ready for reactivation.

WC0010 is battery powered and doesn't need any system cabling installation.

Picture 1

DEPLOYMENT PROCEDURE

1) Select a location for the call point. See **LOCATION SELECTION**.

2) Unbox the call point from its packaging.

3) Power up the call point. See **POWERING UP - FIRST TIME USE / POWERING UP - RECOVERY**.

4) Link the call point to the system. See **LINKING - WAKE-UP / LINKING - ONE-BY-ONE**.

5) Install the back box. See **FIXING THE BACK BOX**.

6) Install the device block onto the back box. See **DEVICE BLOCK INSTALLATION / DEINSTALLATION.**

7) Test the call point. See **TESTING**.

8) Remove the "NOT IN USE LABEL" when the call point is in operation.

> ❗ **Always remove the "NOT IN USE" label when the call point comes in operation.**

LOCATION SELECTION

Select a location for the call point that conforms to your local applicable safety standards and that is in a good position for sending / receiving wireless signals to / from the father **EWT100**, **IWT100** or **XWT100** network device.

> ❗ **It is advisable to use the EWT100-TESTER survey kit to locate a good wireless installation location.**

Mount the call point as far as possible from metal objects, metal doors, metal window openings, etc. as well as cable conductors, cables (especially from computers), otherwise the operating distance may greatly drop.

The **WC0010** must NOT be installed near electronic devices and computer equipment that can interfere with its wireless communication quality.

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LED INDICATOR STATUS MESSAGES

The LED indicator communicates to the final user the status of the **WC0010**.

> ❗ **Please mind that LED signalling burns out battery power, therefore reducing batteries lifespan.**

Device status	LEDs indication
Power up (DIP on "ON")	Blinks red 4 times
Power up (DIP opposite "ON")	Blinks green 4 times
Entering wake-up mode	Blinks alternatively green / red 4 times
Link success (one-by-one)	Blinks green 4 times, then the same pattern again
Link failure (one-by-one)	Enters wake-up mode and signals "Entering wake-up mode" following this failure
Link success (wake-up)	Blinks green 4 times, then same pattern again
Link failure (wake-up)	Blinks green 4 times, then blinks red on once, then blinks alternatively green / red 4 times
Normal condition	LED off (can be programmed so as to blink green every wireless communication)
Alarm activation	Blinks red every 2 seconds
Battery fault	LED off (can be programmed so as to blink amber every 5 seconds)
Tamper fault	LED off
Replaced	Blinks amber 2 times

Table 1

POWERING UP AND LINKING - PRELIMINARY NOTES

WC0010 needs to be powered up with the supplied batteries.
Linking is the operation through which **WC0010** is "wirelessly connected" to a **EWT100**, **IWT100** or **XWT100** FireVibes network device.

POWERING UP - FIRST TIME USE

Use this procedure the first time you power up a **WC0010**.

1) Make sure the Link / program switch is set on "ON".

2) Insert the two supplied batteries into their device's lodgments.

Ensure that the batteries are installed properly, with their polarities matching the indications on the device.

POWERING UP - DEVICE LINKED TO THE SYSTEM

Use this procedure when a **WC0010** is successfully linked to its FireVibes system and you have to extract one or both batteries (e.g. batteries substitution).

1) Reinsert the battery or both batteries into their lodgments.

Do not touch the Link / program switch.

If performing a batteries substitution, use two brand new batteries and substitute both of them.

Ensure that the batteries are installed properly, with their polarities matching the indications on the device.

POWERING UP - RECOVERY

Use this procedure when you fail to link successfully a **WC0010** or you want to link it again.

1) Move alternatively the Link / program switch 5 times.

2) Set the Link / program switch on "ON".

3) Insert the two supplied batteries into their device's lodgments.

Ensure that the batteries are installed properly, with their polarities matching the indications on the device.

LINKING - WAKE-UP

"Wake-up" linking consists in associating one or more child devices to the FireVibes system altogether in a single operation.
Wake-up is performed either through the **FireVibes Studio** software or the **EWT100** / **IWT100** keyboard-screen interface; it CANNOT be done through **XWT100** devices.

1) Create the "virtual model" of the **WC0010** either on **FireVibes Studio** or on the **EWT100** / **IWT100**.

2) Power-up the call point (either "first time use" or "recovery").

3) Set the Link / program switch OPPOSITE to "ON".

4) Trigger the wake-up procedure either from **FireVibes Studio** or from the **EWT100** / **IWT100**.

5) Wait the end of the "wake-up" linking procedure.

6) Check on **FireVibes Studio** or from **EWT100** / **IWT100** for linking success. Consult their user manual.

LINKING - ONE-BY-ONE

"One-by-one" linking consists in associating one child device at a time to the FireVibes system.
This operation is performed either through the **FireVibes Studio** software or the **EWT100** / **IWT100** keyboard-screen interface; it CANNOT be done through **XWT100** devices.

1) Create the "virtual model" of the child device either on **FireVibes Studio** or on the **EWT100** / **IWT100**.

2) Trigger the linking procedure either from **FireVibes Studio** or from the **EWT100** / **IWT100**.

3) Power-up the child device (either "first time use" or "recovery").

4) Set the child device's Link / program switch OPPOSITE to "ON".

5) Wait the end of the "one-by-one" linking procedure.

6) Check on **FireVibes Studio** or from **EWT100** / **IWT100** for linking success. Consult their user manual.

> **!** **Use all 4 fixing points.**

FIXING THE BACK BOX

To fix the back box to the wall, use the supplied screw and plug fixings. Fixing holes are indicated in picture 1.

DEVICE BLOCK INSTALLATION / DEINSTALLATION

To install the device block to the back box:
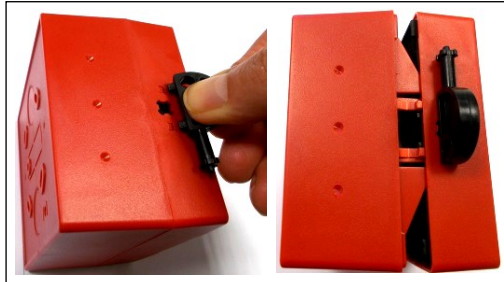
1) Hook up the upper rear of the device block to the back box as in picture 2.

2) Push the bottom of the device block until you hear the snap of the back box's latch.

To deinstall the device block from the back box:

1) Push in the device block latch as illustrated in picture 3. Use the latch release pins on the reset key.

2) Remove the device block.

Picture 2

Picture 3

ACTIVATION / DEACTIVATION

To activate the call point:

1) Press the center of the front window.

A yellow-black oblique stripes bar raises on the bottom of the window.

To deactivate the call point:

1) Insert the reset key into the activation release hole.

2) Turn the key clockwise until you hear a snap sound.

Picture 4

Picture 5

TESTING

1) Activate the call point.

LED indicator signals "Alarm activation"; the control panel receives the alarm message.

2) Deactivate the call point.

3) Reset the control panel.

BATTERY FAULTS AND BATTERY SUBSTITUTION PROCEDURE

When one or both batteries are low in charge, a specific fault message is routed to the control panel. If such event occurs:

1) Remove the device block from the back box.
2) Extract both batteries.
3) Insert both new batteries into their holders, oriented as per polarity marks.
   See **POWERING UP - DEVICE LINKED TO THE SYSTEM**.
4) Reinstall the device block.

> **!** **Local safety standards may require you to test these devices on a regular basis.**

> **!** **When a low battery condition is indicated, both batteries must be changed altogether.**
>
> **Batteries must be brand new.**
>
> **Do not touch the Link / program switch.**
>
> **Ensure that the batteries are installed properly, with their polarities matching the indications on the device.**

TECHNICAL SPECIFICATIONS

Specification	Value
Communication range with **EWT100**, **IWT100** or **XWT100** network devices	200 m (in open space)
Wireless frequency band(s) of operation	868-868.6 MHz, 868.7-869.2 MHz, 869.4-869.65 MHz, 869.7-870.0 MHz
Number of wireless channels	66
RF output power (max)	14 dBm (25 mW) e.r.p.
Operating temperature range	-10 °C to 55 °C
Maximum humidity (non condensing)	95% RH
Environmental application	Indoors
Dimensions	88 mm x 87 mm x 61 mm
Weight	160 grams (without batteries)

Table 2

BATTERIES SPECIFICATIONS

Specification	Value
Batteries type	CR123A (3 V, 1.25 Ah)
Batteries lifespan *	10 years
Low battery threshold value (nominal)	2.850 V

Table 3

* Batteries lifespan depends by environmental conditions, default monitor settings and link quality.

WARNINGS AND LIMITATIONS

Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that this device is only used with compatible control panels.
Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation. Smoke sensors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Sensors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions. Refer to and follow national codes of practice and other internationally recognized fire engineering standards.
Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

Use only in FireVibes fire detection and alarm systems.

WARRANTY

All devices are supplied with the benefit of a limited 5 years warranty relating to faulty materials or manufacturing defects, effective from the production date indicated on each product. This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified. Full details on our warranty and product's returns policy can be obtained upon request.

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WC0010

Wireless Resettable Call Point for fire detection and fire alarm systems installed buildings

Level or class of the performance per each essential characteristic can be found in the Declaration of Performance