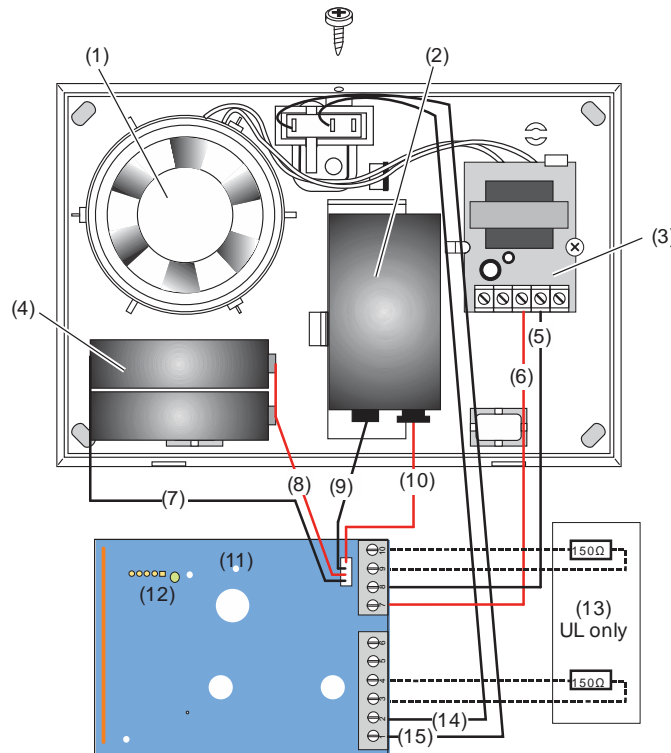


# RF-7120-07-1 Wireless Indoor Siren Installation Sheet

EN



## EN: Installation Sheet

### Introduction

The RF-7120-07-1 model is designed as an indoor siren for supported panels. Some panels, such as UltraSync Modular Hub, require a wireless expansion module.

Up to four (4) RF-7120-07-1, RF-7220-07-1, and RF-IO100-K4 can be installed per panel.

### Wiring diagram

**Figure 1: Siren layout**

(1) Speaker	(9) 9 V battery terminal (-)
(2) 9 V battery	(10) 9 V battery terminal (+)
(3) Siren PCB	(11) IO module PCB
(4) 4x AA battery pack	(12) IO module LED
(5) Siren driver (-)	(13) 150 Ω EOL resistors (UL mode only).
(6) Siren driver (+)	(14) Tamper
(7) 4x AA battery pack (-)	(15) Tamper
(8) 4x AA battery pack (+)	

### Learning-in instructions

You must learn-in the siren before mounting it to the desired position. To add a wireless siren to the system, perform the following steps:

1. Connect to the panel Web Server (either via WiFi Discovery Mode, WiFi LAN, Ethernet LAN, or the UltraSync + app).
2. Enter your username and password, by default this is "installer" and "9713", then click Sign In.
3. Click Settings.
4. Click Zones.
5. Click "Select Zone to Configure" to set the zone number.
6. Under "Transmitter Type" select "Indoor Siren".
7. Click Learn.
8. Open the tamper switch of the indoor siren then power it up by plugging in J2.
9. Wait for the module LED to blink on yellow, then off.

- 10. Within 5 seconds after the LED switches off, close the tamper switch for 0.5 to 1 second, then open it again.
- 11. LED will flash green once to indicate it has been learnt successfully. If LED flashes any other colour, disconnect J2 power cable, click Remove, and try again from step 5.
- 12. The screen will indicate the module has been learnt and a serial number will appear. Read the popup messages.
- 13. Tick "Enable Tamper" if the indoor siren box tamper is required. Box tampers and low battery are reported on the zone number selected during learning.
- 14. Click Save.

System Zone			Onboard Output	
#1	#2	#3	#1	#2
I/O Module	Input 1	Input 2		
Indoor Siren	Tampers/ Low battery	N/A	N/A	Supervised Siren

Mounting the siren

To install the siren according to EN 50131-4 grade 2, you need to enable the pry-off tamper. Mount the screw provided through the tamper hole to allow pry-off tamper detection.

- Mount base with four 3.5 x 25 mm pan head screws
- Use wall anchors as required (only four provided, not to be used with tamper)
- Use 3.5 x 32 mm pan head screw in tamper hole
- Tamper screw to be installed into stud
- Use 2.8 x 9.5 mm flat head screw to hold cover to base

Battery replacement and removal

**Caution:** Batteries can explode or cause burns when recharged, incorrectly (dis)assembled, replaced by an incorrect type, or exposed to fire or high temperatures.

Dispose of used battery according to battery directive instructions and/or as required by local laws. Keep away from children.

To replace batteries, please remove the AA batteries from the battery holder. Disconnect and remove the 9 V battery from the holder. Only replace the batteries with the Energizer or Duracell AA and 9 V batteries. Do not use a different type of batteries. Always use batteries that are from the same batch, and always replace all batteries with fresh ones simultaneously.

**Note:** Model RF-7120-07-1 is only INCERT T031 compliant when UltraLife battery (Carrier SKU: 34-027) is inserted.

UL setup

The siren can have two compliances: UL and EN.

In the UL mode the siren can only generate Fire Alarm sound (T3 pattern).

UL-compliant mode is activated automatically if you short Input 1 (IO module PCB terminals 3 and 4) or connect a 150 Ω EOL resistor to it after startup when enrolled as indoor or outdoor siren. See Figure, items 13.

Compatible control panel: Carrier, model ZW-6404-ETI-V3.

Suitable for 3-pulse temporal only.

Specifications

Wireless	
Number and type of batteries	4 x AA size, 1.5 V, primary cell
Battery capacity	5600 mAh
Board operating voltage	2.1 to 3.1 VDC
Wireless operating frequency	433.050 to 434.790 MHz
Maximum power output (E.R.P.)	10 dBm
Siren part	
Type of acoustic output	Tone
Number and type of batteries	1 x 9V size block, primary cell
Battery capacity	600 mAh
Operating voltage	9 to 12 VDC
Minimum voltage	6.0 VDC
Nominal voltage	9.0 VDC
Maximum voltage	9.9 VDC
Low voltage failure threshold	6.4 V
Battery lifetime, typical	3 years*
Current consumption – IO module (typical)	160 µA at 3.1 VDC ±5%
Current consumption – siren (typical)	105 mA at 12 VDC ±5%
Peak current consumption	Siren sounding peak: 110 mA PCB peak: 50 mA, quiescent: 120 uA
General features	
Type of warning device	Internal, self-powered
Operating temperature	-10 to +40°C UL mode: 0 to +49°C
Humidity	max 95%, noncondensing UL mode: max 85%, noncondensing
Shipping weight	470 g
Enclosure dimensions	160 x 110 x 42 mm

\* Assumption: maximum 20 siren activations of 3 minutes per year.

Regulatory information

Manufacturer	PLACED ON THE MARKET BY: Carrier Fire & Security Americas Corporation Inc. 13995 Pasteur Blvd Palm Beach Gardens, FL 33418, USA AUTHORIZED EU REPRESENTATIVE: Carrier Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands
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**Certification**

EN 50131-5-3:2005  
EN 50131-5-3/A1:2008  
EN 50131-4:2009

Security Grade 2, Environmental Class II  
Tested and certified by Telefication B.V.

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Carrier Fire & Security hereby declares that this device is in compliance with the applicable requirements and provisions of all applicable rules and regulations, including but not limited to the Directive 2014/53/EU. For more information see: [www.firesecurityproducts.com](http://www.firesecurityproducts.com)

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This product may contain a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling return the battery to your supplier or to a designated collection point. For more information see [recyclethis.info](http://recyclethis.info)

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**REACH**

Product may contain substances that are also Candidate List substances in a concentration above 0.1% w/w, per the most recently published Candidate List found at ECHA Web site.

Safe use information can be found at <https://firesecurityproducts.com/en/content/intrusion-intro>

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**Product documentation**

Please consult the following web link to retrieve the electronic version of the product documentation.



This link will guide you to the EMEA regional contact page. On this page you can request your login to the secured web portal where all manuals are stored.

<https://firesecurityproducts.com/en/contact>

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