

1. PRODUCT DESCRIPTION

The FireHawk FHN-BTH-RF is a wall-mounted Fire & CO Alarm Controller designed for use with FireHawk RF-Link smoke, heat and carbon monoxide alarms. It may also be used with compatible mains-powered alarms fitted with an FHN600RF RF-Link module.

The unit is powered by a sealed-in, non-replaceable 10-year battery. It provides remote test and alarm hush (silencing) functions for linked FireHawk RF-Link alarm systems, together with additional features for system configuration, alarm memory and troubleshooting.

2. KEY FEATURES

- **REMOTE TEST AND ALARM HUSH FUNCTIONS**
- **POWERED BY A SEALED-IN, NON-REPLACEABLE 10-YEAR BATTERY**
- **RADIO LINKING WITH COMPATIBLE FIREHAWK RF-LINK DEVICES**
- **SUPPORTS UP TO 14 LINKED DEVICES**
- **SEPARATE FIRE AND CO ALARM INDICATION**
- **FAULT INDICATION FOR THE FHN-BTH-RF AND LINKED DEVICES**
- **ALARM MEMORY FUNCTION TO HELP IDENTIFY THE SOURCE OF THE LAST ALARM EVENT**
- **FAULT LOCATE FUNCTION TO HELP IDENTIFY A LINKED DEVICE REPORTING A FAULT**
- **WALK TEST FUNCTION FOR EASIER SYSTEM TESTING**
- **RELAY TEST FUNCTION WHEN USED WITH COMPATIBLE RELAY-EQUIPPED DEVICES**
- **STANDARD WALL-MOUNTED INSTALLATION**

3. INSTALLATION

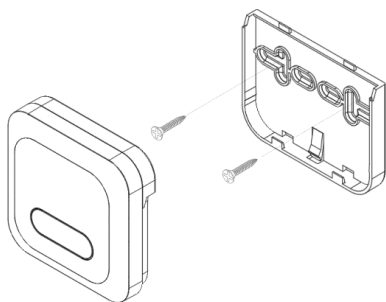
3.1 INSTALLATION LOCATION

The FHN-BTH-RF should be mounted at standard light switch height for ease of use. Common locations include hallways, near bedrooms, or close to main exit routes where the controller can be easily accessed during an alarm event.

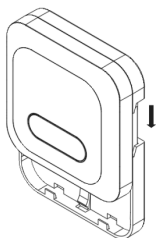
3.2 MOUNTING

The FHN-BTH-RF is supplied with a mounting plate for wall installation.

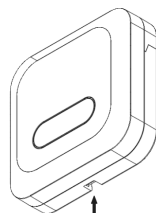
Secure the mounting plate to the wall using the screws provided. Ensure the mounting plate is fitted securely.



To fit the unit to the mounting plate, align the FHN-BTH-RF with the mounting plate and press it into position until it clips securely into place.



To remove the product, press the locking lever and slide the product upwards to release it from the mounting plate



4. RADIO LINKING

4.1 RF-LINK COMPATIBLE ALARMS

The FireHawk Fire & CO Alarm Controller (FHN-BTH-RF) can be wirelessly linked to compatible FireHawk RF-Link devices, including Smoke Alarms (FHB10-RF), Heat Alarms (FHH10-RF), Carbon Monoxide Alarms (CO10-RF), and compatible mains-powered Smoke and Heat Alarms fitted with the FHN600RF RF-Link module.

IMPORTANT: Ensure that all products are from the Orange dot series and not the older Green / Red / Yellow version. A color label on the packaging and the product indicates the version.

When multiple compatible mains alarms are interconnected by hardware, only one **FHN600RF** module is required per wired interlink circuit. If the property has multiple hardwired alarm circuits, install one **FHN600RF-equipped alarm** on each circuit. Position each **FHN600RF-equipped alarm** as centrally as possible within the property.

4.2 POWER ON THE FHN-BTH-RF

The power switch is located on the rear of the unit. When switched on, the FIRE green, CO green and FAULT green indicators flash twice. The yellow fault light will appear if there are no rf-link devices linked to the unit.



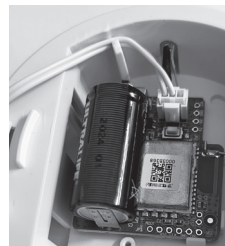
Figure 1 FHN-BTH-RF Front



Figure 2 FHN-BTH-RF Back

4.3 BATTERY ALARM ASSEMBLY - FHB10-RF, FHH10-RF & CO10-RF

1. Plug the alarm into the pattress and switch on the radio base. The pattress LED will flash green twice per second. If not, reset the device before proceeding.
2. Secure the alarm wire into the retaining slot



IMPORTANT: The wire may interfere with the radio antenna if not secured in the retaining slot.

3. Bring the alarm and radio base together, then twist / slide to lock into place. The light will flash red and the device will beep.



4. Repeat this procedure for each additional alarm in the system.

4.4 MAINS FHN600RF

FHN600RF for compatible mains alarms

1. Insert the radio module into the back of the alarm. Ensure the module is secured in place by the positioning tabs and secure with the supplied fastening screw.

WARNING: Be careful not to over tighten the fastening screw.



2. For battery backup models, insert the batteries to switch on the alarm device. This will also power the RF module. The green LED will flash and the alarm will beep twice when it has connected to the radio module.
3. For rechargeable battery or sealed battery models, fit the supplied switch cap or power arrangement as required so that the alarm powers the RF module. The green LED will flash and the alarm will beep twice when it has connected to the radio module.

If the device flashes red and does not beep twice when powered, the radio module has already been linked to other devices and needs to be reset before it can be added to a new system.

The device is now ready to be linked. Repeat the above process for all compatible mains alarms.

4.5 LINKING

1. Press the LINK button located on the back of the FHN-BTH-RF. The front Fire and CO Indicator will flash green and red to indicate the device is in Linking mode.
2. Put the alarm device into Linking mode by pressing its rf button or test button if the alarm is not yet linked to another device. It will flash red and green for a short time and will beep and stop flashing once linked to the FHN-BTH-RF. The FHN-BTH-RF units yellow fault indicator will flash briefly to indicate that a new device has been linked..

IMPORTANT: The first time an alarm device is used it can be put into linking mode by pressing the test button on the connected alarm. If an alarm device has already been linked to a system and is being linked to an additional control device, use the internal RF button to access linking mode.

3. Repeat step 2 for each alarm in the system.
4. Once all alarms are linked, press the CLEAR button on the FHN-BTH-RF to exit the linking process.

4.6 LINKED ALARMS READY FOR INSTALLATION

After linking, the RF-Link system must be tested to confirm that the linking process was successful and that all linked alarms respond correctly. The system must also be re-tested after all devices have been installed in their final positions to confirm that they remain within radio range and operate correctly.

1. Press the TEST button on the FHN-BTH-RF Switch. Each linked alarm will sound and the FHN-BTH-RF will perform a self-check.
2. Perform a test from each device in the system to ensure every alarm is successfully linked.
3. Install the alarms and then re-test when in position to ensure the devices are in radio range.

4.7 REMOVING A LINKED DEVICE

A linked device may need to be removed from the FHN-BTH-RF if the device is faulty, being replaced, or no longer required as part of the RF-Link system.

1. Press the CLEAR button to enter Unlinking mode. The fault and fire indicators will flash red and yellow.
2. Put the device to be removed into Linking mode by pressing the RF button. The green and red light will flash for a short time and the device will beep once removed.
3. Exit Unlinking mode by pressing the CLEAR button.

4.8 DEVICE RESET

Reset the FHN-BTH-RF. To reset the FHN-BTH-RF, press and hold the LINK button until the front fire co and fault indicators flash sequentially, then press the LINK button again to confirm reset. This will return the device to factory settings.

Reset an Alarm Pattress. To reset an alarm pattress and restore factory settings, open the alarm device and hold down the white RF button until the light turns red. This will restore factory settings and unlink all devices. The light will then flash green twice per second.

FHN600RF RF-Link Module. To reset the FHN600RF, remove the alarm device and press and hold the Link / Reset button until its light turns red. This will restore factory settings and remove all linked device information. The light will flash green and the alarm will beep twice when ready for setup again.