

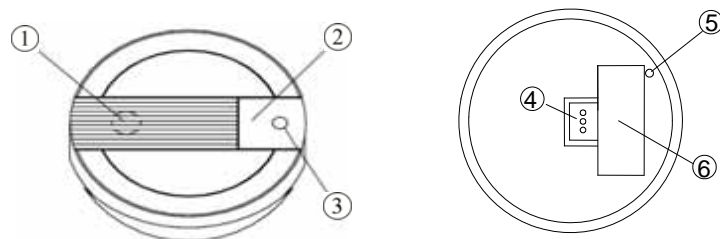
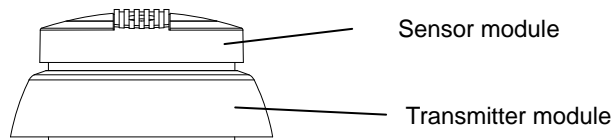
## Installation Instructions

### General Introduction

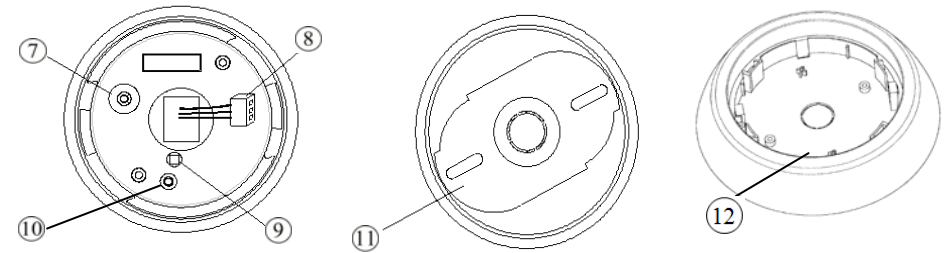
The SF804-0 Smoke Detector is designed to sense smoke that comes into the detector's chamber. It does not sense gas, heat, or flame. When it detects a certain density of smoke the horn will sound and the RF module will emit signals to the Gateway. Its great compatibility with our U-Net family security products makes it suitable for smart home cloud based platforms such as Homesys.

### Product Layout

The sensor consists of two parts; a sensor module and a transmitter module. The transmitter module can be detached by twisting it clockwise against the sensor module.



Sensor Module : Front and Back view

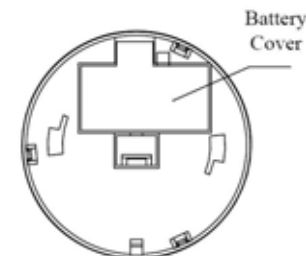


Transmitter module: Front and Back view

① Horn	⑦ Tamper switch
② Test Button	⑧ Connector
③ Smoke LED	⑨ Learning key
④ Connector pins	⑩ Link LED
⑤ Cover Latch	⑪ Mounting bracket
⑥ Battery Cover	⑫ Skirt Panel

### Binding with Homesys

1. Twist the transmitter module clockwise to detach it from the sensor module
2. Disconnect the connector ⑧ from the connector pins ④ of the sensor module. Take note of the connector direction as you will need to connect it back later.
3. Open the battery cover.



4. Prepare one 9V alkaline battery. Do not insert it into the unit yet.
5. Log into the Homesys account from a web browser.
6. Select "System", then "Add a Device",



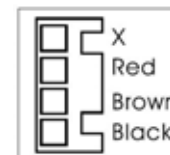
7. Select "Smoke Detector".



8. The following screen will appear. This means the gateway is entering binding mode.



9. Insert the batteries with correct polarity at this point.
10. Plug the connector ⑧ back to connector pins ④ of the sensor module. Make sure its direction is correctly inserted according to the sticker affixed on the sensor.



11. The screen below will appear in 10 seconds if the process is successful.



12. Time-out will occur if the binding process was unsuccessful. Please refer to the "Manual Binding" procedure.

## Manual Binding

1. Repeat steps 4 to 8 of the Binding with Homesys section.
2. With the battery inserted and connector ⑧ connected to sensor module, press and hold the Learning key ⑨ for 3 seconds then release, and the Link LED 10 will start to flash. This implies SF804-0 has now entered binding mode.
3. Within 5 seconds, the Link LED will stop flashing and then turn off, indicating

the learning procedure is completed. The screen below will appear indicating the process is successful.



## Testing

1. Assemble the transmitter module back to the sensor module.  
**Note:** The smoke LED ③ will flash once every 30 seconds to indicate normal operation
2. Press and hold the test button ② for 3 seconds, the sensor LED will flash and the horn will emit a loud sound.
3. If the test is successful the system will trigger an alarm and the smoke detector will sound (alarms are listed in “Events”).  
**Note:** It is necessary that the Homesys gateway is powered and connected to internet.
4. If the test is unsuccessful, please check the troubleshooting.

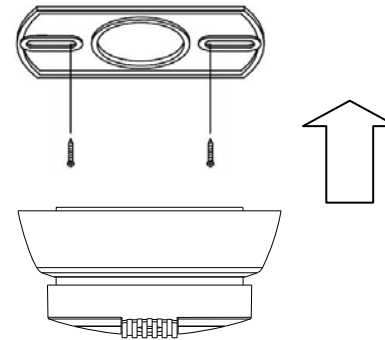
## Mounting the SF804-0

The detector is designed for use in a single family home or apartment. For complete coverage, it should be installed in all rooms, halls, storage areas, basements and attics in each family living unit. Minimum coverage is one detector on each floor and one in each sleeping area.

1. Remove the mounting bracket ⑩ from the detector by rotating it

counterclockwise.

2. Use a 5mm drill bit to drill two holes and insert the provided plastic wall plugs.
3. Use the two screws and provided plastic wall plugs to attach the bracket to the wall.
4. Line up the slot of the bracket and the detector. Push the detector onto the mounting bracket and turn it clockwise to fix it into place. Pull outward on the detector to make sure it is securely attached to the mounting bracket.



## Tamper Protection

Tamper switch is set inside the housing of SF804-0 to prevent it from being forcibly removed.

## Maintenance

1. One 9V alkaline battery is supplied in the SF804-0. Replace the battery once a year. When battery level drops, the detector will beep once every 30 seconds and emit radio signals to the gateway. When this occurs, the battery should be replaced immediately.
2. Clean and vacuum the dust off the detector's sensing chamber with a soft cloth when changing the battery.

## Troubleshooting

The troubleshooting table lists some possible causes and solutions. Please contact your original retailer or nearest service center if the below solutions cannot solve your problem.

Symptom	Possible Cause	Recommendation
SF804-0 LED indicator not illuminating	<ol style="list-style-type: none"> <li>No battery is inserted or battery is flat gateway.</li> <li>The smoke detector may be out of order.</li> </ol>	<ol style="list-style-type: none"> <li>Check if the battery is inserted properly or replace battery</li> <li>Send the device in for repair and do not open it</li> </ol>
No alerts from the smoke sensor appear on Homesys interface	<ol style="list-style-type: none"> <li>Binding process failed.</li> <li>The smoke detector cannot communicate with the gateway HSC04.</li> </ol>	<ol style="list-style-type: none"> <li>Follow the steps for "Manual Binding".</li> <li>Place the smoke detector closer to the gateway.</li> </ol>

## Reset to factory default:

To reset SF804-0 back to factory default state:

1. Insert the batteries into the unit
2. Press and hold the Learning key for more than 3 seconds and release. The red LED starts to blink.
3. Within 30 seconds, press and hold the button for more than 6 seconds. The LED will start to flash, implying the device is reset back to factory mode

## Specifications

Battery Type	9V /540mA alkaline battery x 1
Operating Frequency	868MHz (EU) / 923MHz (America)
Range	Up to 200 meter line of sight
Battery Life (alkaline)	About 1 year @stand-by mode

\*\* Specifications are subject to change and improvement without notice.



## WARNING:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities instead. Please contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**FCC RF Radiation Exposure Statement:**

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.



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