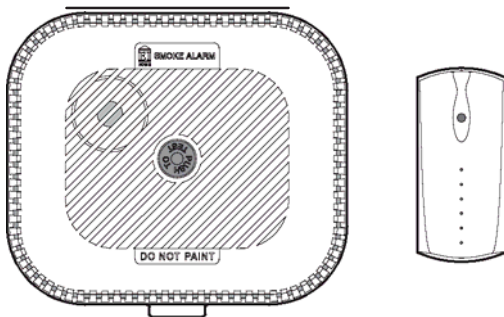


**Friedland**

# Wirefree Alarm Interface Module



Installation and Operating Instructions

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These instructions should be read in conjunction with your Alarm System Installation and Operating Manual and the Smoke Alarm instructions, they should be retained for future reference.

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## DECLARATION

Friedland hereby declares that this wirefree Alarm Interface Module is in compliance with the essential requirements and other relevant provisions of the R&TTE directive, 1999/5/EC.

## INTRODUCTION

This Interface Module is designed for use with Friedland Wirefree Intruder Alarm systems incorporating a suitable Control Panel and operating at 433MHz only.

When the connected Smoke Alarm activates, the Interface Module provides a link to the alarm system that will generate an alarm on your security system.

**Note:** If using the interconnect feature on the smoke alarm then only one Alarm Interface Module should be connected to a single Smoke Alarm only.

## POSITIONING THE INTERFACE MODULE AND SMOKE ALARM

The Smoke Alarm and Interface Module are suitable for mounting in dry interior locations only.

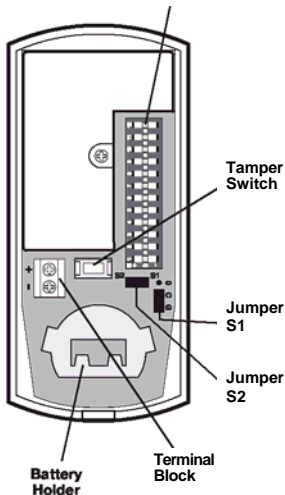
**The Smoke Alarm must be positioned according to the guidelines stated in its instruction manual.**

In addition, the Interface Module must be mounted within the specified radio range of 50m to the Control Panel. Don't forget to allow for any obstructions in between that may reduce this range. Take care not to position the device directly onto, behind or very close to metalwork, as this could affect the operating range of your system.

## CONFIGURING THE INTERFACE MODULE AND SMOKE ALARM

The procedures described in this section should be undertaken on a table to ensure that the Interface Module and Smoke Alarm are correctly setup and operating before fixing the devices in position on the ceiling.

Configuration Switches



### Configuring the Interface Module:

- 1) Remove the rear cover by inserting a small coin between the front and back covers and gently twisting.

Inside the Interface Module are two jumper links and a series of twelve 3-position switches. These are used to configure the device for use with the Smoke Alarm and your alarm system.

- 2) Jumper link S1 must be connected across pins marked "G" and "C".
- 3) Jumper Link S2 must be fitted in position across the pins.
- 4) Set switches 1-8 to the same alarm system house code as configured into all other alarm system devices.

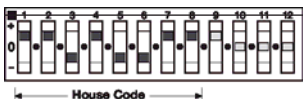
House Code setting	Interface Remote Control	DIP switch	DIP switch
+	1	On / Up	
-0	Off / Down		

For example; an alarm system house code of 1101 0011 will

have the DIP switches in a Remote Control set as shown.



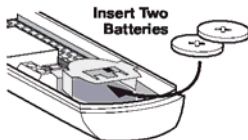
The corresponding settings of the house code DIP switches (1-8) in the Interface Module would be as follows:



- 5) Switches 9, 10, 11 and 12 configure the interface to operate with a Smoke Alarm and SA3, SA4 or SA5 type alarm system. They must be set as follows:

DIP 9	DIP 10	DIP 11	DIP 12
= +	= 0	= 0	= 0

- 6) Insert the two coin cell batteries into the interface under the battery clip ensuring that the + terminals face upwards.



The indicator LED will illuminate for approximately 1 s.

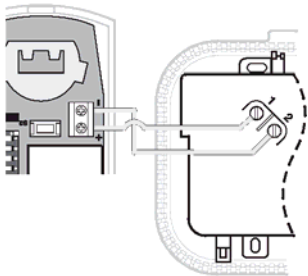
### Testing the Interface Module:

- 7) Place the alarm system Control Panel into Test Mode and select Walk Test or Detector Test as appropriate to your system (refer to the Testing section of your alarm Installation and Operating Manual).
- 8) Press the TAMPER switch on the Interface Module
  - The indicator LED will illuminate for approx 1 s to show a signal has been transmitted.
  - The Control Panel should beep and indicate a TAMPER signal on the LEDs or Display.

If the Control Panel does not respond correctly remove the batteries and recheck steps 2 to 10 before proceeding.

## Connecting the Interface Module to the Smoke Alarm:

- 9) Connect the pre-fitted cable from the Interface Module to the terminals on the back of the smoke alarm as follows:
  - Connect the marked wire from the + terminal of the Interface Module to the terminal marked '1' on the back of the Smoke Alarm.
  - Connect the unmarked wire from the - terminal of the Interface Module to the terminal marked '2' on the back of the Smoke Alarm.



- 10) Open the Smoke Alarm, connect the battery to the battery clip and fit the battery into the battery holder.

## Testing the Smoke Alarm:

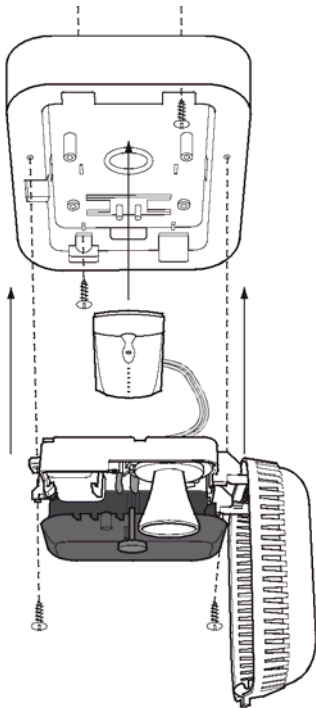
- 11) Press and hold down the test button on Smoke Alarm.
  - The Smoke Alarm siren should activate.
- 12) The Interface Module will be triggered immediately after the smoke alarm starts sounding.
  - The indicator LED on the Interface Module should illuminate for approximately 1 second to show a signal has been transmitted.
  - The Control Panel should beep and indicate a FIRE signal on the LEDs or Display.

If the Smoke Alarm and Control Panel does not respond correctly remove the batteries and recheck steps 2 to 10 before proceeding.

**Note:** After the Smoke Alarm stops sounding the Interface Module requires a 3s period to reset before it can be retriggered again.

## INSTALLING THE INTERFACE MODULE AND SMOKE ALARM

The Interface Module is mounted inside the Smoke Alarm mounting base.

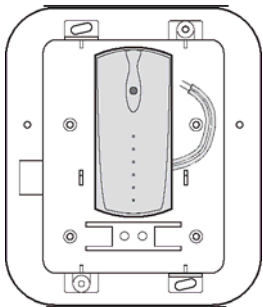


- 1) Using the base as a template, mark the position of the two fixing holes on the ceiling.
- 2) Drill two 5mm holes and fit the wall plugs.
- 3) Fix the base to the ceiling with the screws supplied. Do not over-tighten the fixing screws.
- 4) Fit the Interface Module to its rear cover and snap together.

Ensure that the connection cable is correctly located in the cable entry recess and is not trapped between the front and rear cover.

- 5) Fix the Interface Module into the mounting base in the position shown below using the adhesive pads supplied.

**Important:** Ensure that the release slot is not positioned against the side wall of the base.



- 6) Fix the Smoke Alarm onto the base using the screws supplied. Do not over-tighten the fixing screws.

Ensure the cable connecting the Interface to the Smoke Alarm is not damaged and that the connections are still secure.

**Important:** You should now test your smoke alarm and Interface Module to ensure it is operating correctly with the security alarm.

Remember to put the alarm system back into Standby after the test.

## OPERATING INSTRUCTIONS

When the Smoke alarm activates the Interface Module will be triggered and a “Fire” signal will then be sent to the alarm system which will trigger an alarm, (provided the alarm is not in test or Program Modes).

The security alarm will continue until the programmed alarm duration expires, when it will automatically reset. Alternatively the security siren may be stopped early by disarming the alarm system.

**Note:** If the cover is removed from Interface Module a TAMPER alarm will be generated on the alarm system.

## TESTING

You should test your Smoke Alarm and the Interface Module every week.

- 1) To avoid triggering an alarm, first place the alarm system into Test Mode and select Walk Test or Detector Test as appropriate to your system, (Refer to the Testing section of your alarm Installation and Operating Manual).

- 2) Press and hold down the test button on Smoke Alarm.

The Smoke Alarm siren should activate.

- 3) The Interface Module should be triggered immediately after the smoke alarm starts sounding.
- The indicator LED on the Interface should illuminate for approximately 1 second to show a signal has been sent to the alarm Control Panel.
  - The Control Panel should beep and indicate a FIRE signal on the LEDs or Display.

**Note:** After the Smoke Alarm stops sounding the Interface Module requires a 3s period to reset before it can be retriggered again.

**Important:** Remember to put the alarm system back into Standby after the test.

## MAINTENANCE

The batteries in the Interface Module should be changed after 1 year or as soon as the Low Battery signal operates.

The Interface Module may be

cleaned using a soft damp cloth. Do not use abrasive, solvent based or aerosol cleaners. Do not attempt to clean inside the unit or allow water to enter the unit.

## BATTERIES

Under normal operating conditions the batteries in the Interface Module will last approximately 1 year. A built in battery monitoring facility will indicate when the batteries require replacing.

The low battery warning for the Interface Module is...

- a) The Indicator LED on the Interface Module will flash continuously.
- b) A “Magnetic Contact Detector - Low Battery” signal will be indicated on Control Panel.

When a low battery condition is indicated the batteries should be replaced as soon as possible with two new batteries of the following specification:

2 x 3V CR2032 Lithium  
Coin Cells

**Note:** Before removing the cover of the Interface Module first put the alarm Control Panel into Test Mode to avoid triggering an alarm. Remember to return the alarm to Standby after replacing the batteries.

## TROUBLE SHOOTING

### Smoke Alarm activates but Control Panel does not respond:

- 1) Interface Module batteries missing or low - replace with new batteries and test.
- 2) Interface Module batteries incorrectly fitted – refit batteries with correct polarity and test.
- 3) Incorrect house code DIP switch settings, (DIP 1-8).
- 4) DIP switches 9 and 10 incorrectly set – set DIP 9 to + and DIP 10 to 0 positions.
- 5) DIP switches 11 and 12 incorrectly set – set DIP 11 and 12 to 0 position.
- 6) Jumper Link S1 incorrectly set
  - ensure link is fitted across pins “G” and “C”.
- 7) Jumper Link S2 missing – refit link.
- 8) Interface Module not properly connected to Smoke Alarm
  - check for correct wiring connection and ensure wires are not damaged or broken.
- 9) Control Panel not within range of Smoke Alarm & Interface Module – reposition within range.
- 10) Metal barrier between Control Panel and Interface Module
  - Do not mount Interface Module on any metallic object
  - Do not put metallic objects between the Interface Module and Control Panel.

## DISPOSAL

At the end of their useful life the packaging, batteries and product should be disposed of via a suitable Recycling Centre.

Do not dispose of with your normal household waste.

DO NOT BURN.



## GUARANTEE

Friedland undertakes to replace or repair at its discretion goods (excluding batteries) should they become defective within 2 years solely as a result of faulty materials and workmanship. Understandably if the product has not been installed, operated or maintained in accordance with these instructions, has not been used appropriately or if any attempt has been made to rectify, dismantle or alter the product in any way the guarantee will be invalidated.

The guarantee states entire liability. It does not extend to cover consequential loss or damage or installation costs arising from the defective product. This guarantee does not in any way affect the statutory or other rights of a consumer.

If an item develops a fault, the product must be returned to the point of sale with;

- 1) Proof of purchase.
- 2) A full description of the fault.
- 3) All relevant batteries (disconnected).

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