



## MODEL: HSSA/DAK/RF10-PRO

### RADIO FREQUENCY DEAF AID KIT

#### MAIN FEATURES:

- When used with RF10-PRO enabled smoke, heat and/or CO alarms, the kit provides additional protection when sound alone may not be enough.
- Provides a simple two button "learn in" process to wirelessly pair with RF10-PRO smoke, heat or CO alarms.
- The strobe provides a remote low level testing facility for testing paired smoke, heat and/or CO alarms, avoiding the need to reach up to ceiling mounted alarms to test.
- Mains powered with rechargeable battery back-up (must be replaced after 5 years).
- The strobe will detect and demonstrate a fault or low battery warning with any smoke, heat and/or CO alarm within the paired network.
- The strobe is suitable for wall mounting with two screw fixings or free standing.

#### RF10-PRO Strobe and Vibratory Pad pack contains:

- Strobe light with integrated control unit (referred to as "strobe")
- Vibrator pad to be placed under pillow or chair (referred to as "pad")
- AD-DC12V05A - AC mains adaptor, 12V, 0.5A rated output
- Replaceable, rechargeable backup battery
- Wall fixing screws

**NOTE: The strobe and vibrator pad is only compatible with RF10-PRO alarms from Hispec. It cannot be paired with other manufacturers' products.**

#### SPECIFICATION

Power Source:	220-240 Vac- 50-60Hz with Ni-MH battery back-up (battery included)
Temperature Ambient:	-5°C - 40°C
Ambient Humidity:	Up to 90% RH
Max. Wireless interconnection:	20 units
Approval:	EN 301 220-2 V 2.4.1 EN 301 489-3 V 1.6.1 EN 301 489-1

#### INTRODUCTION

IMPORTANT: If you are installing this product for use by others, you must leave this manual (or a copy of it) for the end user.

In addition to the audible sound from your smoke, heat or CO alarm, the flashing strobe and vibrator pad will be triggered to alert those who may not be able to hear the audible alarm. The flashing strobe provides a visual warning for waking hours, while the vibrator pad is designed to be placed under a pillow or a mattress and is suitable for waking an individual to alert them when an alarm sounds. If placed under a mattress, ensure the thickness of the mattress does not cushion the pad to the extent is cannot be felt adequately.

#### INSTALLING THE STROBE AND VIBRATOR PADS

PREPARATION: Please ensure you have read and understood this manual before installing your strobe and vibrator pad.

It is recommended that for optimum protection from smoke and/or carbon monoxide, one wireless pairing alarm is fitted in each living room of your home, including bedrooms, and one wireless pairing CO alarm is fitted in every room containing a fossil-fuel appliance, connected to your strobe and vibrator pad.

**NOTE:** Up to 20 wireless pairing enabled smoke, heat, CO alarms and/or wireless pairing accessories can be paired to a single network.

Ensure all alarms to be used are installed, tested and working correctly as per the instructions in their respective user manuals.

#### CONNECTING THE BATTERY / MAINS POWER

**NOTE:** The strobe and vibrator pad requires both an AC (mains) electrical supply and internal battery for its normal operation. The battery accompanying this product is rechargeable and charges when there is mains power to the strobe.

**CAUTION: CONNECT THE BATTERY WITH MAINS POWER DISCONNECTED**

- Plug the vibrator pad connector into the strobe (as shown in fig 1). Route the wires through the wire guide.
- Remove the battery cover on the back of the strobe by pulling back the clip to release. Connect the rechargeable battery, by aligning the terminals (red wire to red wire) and pushing the connectors together.

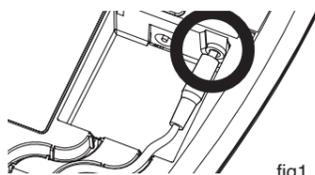


fig1

- Place the battery into the recess. The battery cable needs to be positioned underneath the battery. Place the cable at the bottom of the face down. This will ensure that the battery is installed correctly.
- Replace the battery cover.
- Plug the power cable in to the strobe. Route the wire through the wire guide (fig 2).
- Plug the mains adaptor into a 230v socket and turn the power on. The green power LED should illuminate.

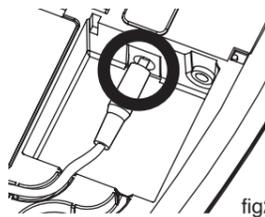


fig2

#### WIRELESSLY PAIRING THE RF10-PRO STROBE AND VIBRATOR PADS TO YOUR RF10-PRO SMOKE OR CO ALARM

It is recommended that you read through these wireless pairing instructions before starting. Pairing a strobe into a new wireless pairing system:

- Place one of your smoke, heat or CO alarms on to its base plate. You will use this product to pair with the strobe to create a network.
- Hold the test button of the strobe for 10 seconds.
- The red LEDs on the front will continue to illuminate to indicate the strobe is in wireless pairing mode.
- During this period, press the test button twice on the smoke, heat or CO alarm to pair the two alarms. The red LED on the alarms will flash 5 times.
- After pairing the strobe and vibrator pad into the alarms, test the units individually to ensure they are paired by holding the test button for 20 seconds.

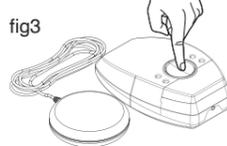


fig3

**NOTE:** The battery is supplied in a discharged or partially discharged state and will require up to 24 hours of charging (continuous connection to the mains supply) to ensure that it is fully charged. During this period the amber fault LED may flash once every five seconds to indicate that the battery is low. The following tests however may be carried out before the charging is complete.

**NOTE: The amber fault LED will also flash (once per second) if the vibrator pad is not correctly installed.**

Once the strobe and pad is paired to the detectors, all products can be installed. We recommend you install smoke, heat and CO alarms before installing the strobe and pad.

#### Reset pairing function

In the event that you need to reset the RF strobe (e.g. if moving house) you will need to remove it from the network using the following procedure:

- Quickly press and release the button 5 times (fig 3).
- The red LEDs on the front of the strobe will illuminate 5 times.
- Press the test button on the strobe. It should not cause other wireless paired alarms to sound. If the strobe is still paired, repeat the above procedure.

#### TESTING THE RF10-PRO STROBE AND VIBRATOR PAD WITH SMOKE / HEAT / CO ALARMS

##### Testing the network from the smoke, heat or CO alarm

Strobe: The strobe will flash and the corresponding red (alarm) LED will also flash.

Vibrator pad: The pad will vibrate. Repeat the procedure with all the alarms within the network.

##### Testing the network from the strobe

Quickly press the test button on the strobe and release. The strobe will flash, and the pad will vibrate. At the same time any alarm that is paired to the network will also sound. The flashing strobe and pad will be activated for the length of time that the alarms sound. Both red (alarm) LEDs on the strobe will flash for a short period of time.

This confirms that the units are wirelessly paired.

##### Weekly Testing

It is recommended that a manual test of all the units in your RF10-PRO network is carried out weekly. In addition, the network should also be tested whenever:

- An additional alarm or auxiliary product is added to the system.
- There are changes to the structure of your property.
- There are significant changes in the position of large items of furniture or electrical products in your home.
- You replace the battery in the strobe.



fig4

#### POSITIONING

##### Where should the strobe and vibrator pad be installed?

If you have one strobe and vibrator pad, it should be installed in the main room where you sleep. You may pair additional strobes and vibrator pads to the network and install them in any room where you may need to be alerted in the event of an alarm. It is important that if you install additional strobes and vibrator pads you test each of these upon installation to check they have paired to the rest of the network.

**Wireless Range:** The wireless range of RF10-PRO products is over 80 square metres in clear air/clear line of sight.

However it is recommended not to exceed 35m as the maximum distance between any wireless paired alarm, strobe and pad. This is because the range can be reduced by walls and other obstructions in the building.

##### Position the Vibrator Pad:

- Under your pillow.
- Under a cushion on a chair where you are likely to fall asleep.

Test and check that the vibrator pad can be felt in all circumstances where you may fall asleep. Ensure it is placed securely and cannot fall out – ideally within the pillowcase or cushion cover.

##### Position the Strobe:

- Close to a power socket where it can be easily plugged in and the

cable does not create a trip hazard.

- Where you can see the strobe flashing from anywhere in the room.
- Where you can see the LEDs on the front of the unit.

**NOTE: The strobe can be fitted to a wall or it can be placed on a table**

#### CAUTION: Do not put the strobe and vibrator pad:

- Outside the building.
- In a damp or humid area.
- In an area where the temperature could regularly drop below -5°C or rise above 40°C.
- Anywhere where the units can easily be knocked or damaged.
- In leisure accommodation vehicles (LAVs).

#### INSTALLING THE STROBE

To wall mount the strobe, drill two suitably sized holes 30mm apart, centre to centre, using the template (fig 6.1) (warning - make sure that you check for electrical cabling and pipe work hidden in the wall before carrying out any drilling).for electrical cabling and pipework hidden in the wall before carrying out any drilling).

In the pack you will find two screws and two screw anchors. Push the screw anchors (if needed) into the drill holes and secure the screw leaving the heads protruding so that the face of the head is 5mm away from the wall.

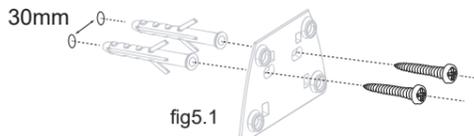


fig5.1

fig5.2

Now hook the strobe onto mounting bracket. If placing the strobe on a table instead of mounting on the wall, make sure it cannot be easily knocked or slide off. The green 'Power' LED should illuminate continuously to show that the AC power supply is connected.

#### LIMITATIONS

**NOTE:** This strobe and vibrator pad is not compatible with products outside the RF10-PRO range.

- The strobe and vibrator pad will not operate in isolation, with non RF10-PRO alarms, or any alarms made by other manufacturers.
- The separate units making up the strobe and vibrator pad cannot be interchanged with those of other manufacturers and an attempt to do this may render the whole system unsafe. Do not connect any other product to the strobe.
- The strobe and vibrator pad may not respond to the signal from a RF10-PRO alarm if the alarm and the strobe containing the control box are too far apart.
- The strobe and vibrator pad may not respond to the signal from a RF10-PRO alarm if there are obstructions that significantly reduce the signal (e.g.: steel reinforcement in concrete). Always test the operation of the strobe and vibrator pad with all other alarms and units in the network after any changes to the building structure or in the position of large items of furniture

**DANGER: Under no circumstances should this product be immersed in water, or used in an area where water may come into contact with the product**

#### OPERATION

##### Standby mode

The strobe should be connected to the mains AC supply with the vibrator pad connected, and placed in a suitable position. The green "power" LED on the strobe will be permanently illuminated.

##### Alarm Mode

Strobe: Strobe will flash and any connected alarm will show red LED flashing  
Pad: Vibration warning

When a RF10-PRO alarm goes into "alarm" mode the retrospective red alarm LED will illuminate, the strobe will continuously flash and the vibrator pad will continuously vibrate.

The way in which the strobe and pad alerts a warning is the same for both alarm types, ie, the strobe will flash and the pad will vibrate in exactly the same way, irrespective of whether the alarm is triggered by an alarm.

If the smoke, heat and CO alarms are in "alarm mode" only the smoke LED indicator will flash.

**NOTE:** The strobe and the red LED will stop flashing and the vibrator pad will stop vibrating when the alarm sending the signal has been reset or has stopped if the danger is no longer present.

Only reset an alarm if you are certain there is no imminent danger from fire or carbon monoxide.

##### Locate Feature

When the network is in alarm mode, pressing the test button on any connected device will silence all other alarms, for a period of 2 minutes, except the alarm that has sensed smoke or carbon monoxide. This will enable the instigating alarm to be located.

##### UNPLUGGING FROM THE MAINS / POWER CUT

The strobe and vibrating pad is designed to be mains powered. The internal rechargeable battery will still provide power if the mains is disconnected. A fully charged battery will allow the strobe and pad to continue to operate for three days. Only use the battery supplied in the pack or a genuine Hispec replacement. Other rechargeable batteries may damage the equipment or create a safety hazard.

**WARNING: When the mains power is disconnected, the green power LED will no longer illuminate and the amber (Fault) LED will double flash every 5 seconds. Plug the Strobe back into the mains as soon as possible to recharge the battery and maintain operation.**

If the amber LED is flashing once every 5 seconds when the green power LED is off then URGENTLY restore power to the unit as battery status is very low, and may fail to operate in an alarm situation.

**NOTE: Once the Strobe is plugged back into the mains, the amber (Fault) LED will continue to flash once every 5 seconds until the battery has fully recharged.**

#### WHAT TO DO IF YOUR STROBE AND VIBRATORY PAD GOES INTO ALARM

**CAUTION:** In all circumstances assume your strobe has been triggered by either a smoke or CO alarm.

The type of incident triggering the strobe and vibrator pad to go into alarm is indicated on the Strobe:

- Smoke/Heat alert  
The Smoke (red) LED will flash
- Smoke/Heat and CO alert  
The Smoke LED (red) will flash
- Carbon Monoxide alert  
The CO (red) LED will flash

#### WHAT TO DO IN THE EVENT OF A SMOKE OR HEAT ALARM TRIGGERING THE STROBE AND PAD

##### What to do in case of a fire in your home

- Don't panic; stay calm. Your safe escape may depend on thinking clearly and remembering what you have practiced.
- Notify every member in the residence of the fire. Get out of the house as quickly as possible. Follow a planned escape route. Do not stop to collect anything or to get dressed.
- Feel the doors to see if they are hot. If they are hot, do not open them - use an alternative escape route.
- Stay close to the floor. Smoke and hot gases rise. Cover your nose and mouth with a cloth (wet if possible). Take short, shallow breaths.
- Keep doors and windows closed. Open them only if you have to in order to escape.
- Never go back inside the building until a member of the fire service has told you it is safe to do so.

**IF AFTER PROCEEDING WITH EXTREME CAUTION YOU HAVE BEEN ABLE TO CONFIRM THAT YOUR STROBE AND VIBRATOR PAD SYSTEM WAS TRIGGERED BY A NUISANCE ALARM (WHICH MAY OCCUR FROM TIME TO TIME FROM COOKING OR OTHER NON-EMERGENCY SITUATIONS) YOU SHOULD SILENCE THE ALARM THAT HAS BEEN TRIGGERED. THIS WILL STOP THE VIBRATOR PAD FROM VIBRATING AND THE STROBE FROM FLASHING. IT IS IMPORTANT TO PRACTICE ESCAPE PLANS AND SHOW EVERYONE IN THE HOUSE, INCLUDING CHILDREN, WHAT TO DO IN THE EVENT OF AN ALARM.**

#### WHAT TO DO IN THE EVENT OF A CARBON MONOXIDE ALARM TRIGGERING THE STROBE AND PAD

Assume carbon monoxide has been detected in your home!

#### NEVER IGNORE ANY ALARM.

- What to do during an alarm
- Keep calm and open the doors and windows to ventilate the property.
  - Stop using all fuel-burning appliances and ensure, if possible, that they are turned off.
  - Evacuate the property leaving the doors and windows open.
  - Ring your gas or other fuel supplier on their emergency number; keep the number in a prominent place.
  - Do not re-enter the property until the alarm has stopped. When exposed to fresh air it can take up to 10 minutes for the sensor to clear and the alarm to stop depending on the level of carbon monoxide detected.
  - Get medical help immediately for anyone suffering the effects of carbon monoxide poisoning (headache, nausea, drowsiness), and advise that carbon monoxide poisoning is suspected.
  - Do not use the appliances again until they have been checked by an expert. Contact a Gas Safe registered engineer in the case of a gas appliance.

**PRODUCT INDICATORS (LEDS)**

STATUS	STROBE / PAD ACTIVITY	POWER (GREEN)	SMOKE (RED)	FAULT (AMBER)	Carbon Monoxide (RED)	ACTION NEEDED
Standby Mode		Remains Illuminated (if Mains is connected)				Not Required
Mains not connected or only on battery power	Strobe will flash red LED			Double flash every 5 seconds		Reconnect Strobe to mains power
Vibratory Illuminated Pads not connected to Strobe		Remains Illuminated (if Mains is connected)		Flashing once per second		Reconnect Vibratory Pads to Strobe
Mains not connected and battery capacity low	Strobe will flash red LED			Flashing once per 5 second		Urgently restore power to mains unit to recharge the battery as battery status is low
Mains is connected and battery status is flat but charging 		Remains Illuminated (if Mains is connected)		Flashing once per 5 second		insufficient battery power to power the strobe, require charging to be charged for 24 hours. Not recommended to do the wireless pairing in this period.
Mains is connected and battery status is low but charging 		Remains Illuminated (if Mains is connected)		Flashing twice per 5 second		Battery power is low, sufficient without AC mains power. User may do the wireless pairing in this period but afterward, must charge up the strobe for 24 hours for safety.
Alarm Mode <b>Smoke</b>	Strobe flashing / Pad vibrating	Remains Illuminated (if Mains is connected)	Flashing			Alarming on Fire Evacuate property immediately
Alarm Mode <b>CO</b>	Strobe flashing / Pad vibrating	Remains Illuminated (if Mains is connected)	Flashing		Flashing	Alarming on CO Open windows and Evacuate property immediately
Unit Fault		Remains Illuminated (if Mains is connected)		Flashing Rapidly		Contact Technical Support

**ALARM LIMITED WARRANTY**

The strobe and vibrator pad are warranty to be free from defects in materials and workmanships under normal use and service for a period of five years from date of purchase. The company will not be obligated to repair or replace parts which are found to be in need of repair because of misuse, damage or alterations occur after the date of purchase. Send the device with proof of purchase, postage and return postage prepaid, to local distributor. The liability of the company arising from the sale of this smoke alarm shall not in any case exceed the cost of replacement of device and in no case shall the company be liable for consequential loss or damages resulting from the failure of the device.

This does not affect your statutory rights. This alarm is only suitable for residential dwellings and is not suitable for commercial or industrial use.

Waste electrical products should not be disposed of with normal household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. New regulation will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).



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