

SWITCH INPUT MODULE

P/C: HSSA/INPUTMODULE



MAIN FEATURES:

- 10 Year battery backup
- Supplied with cover
- Fits Hispec RF10-Pro Fast Fix base
- Pulse/continuous relay operation
- Volt free (dry) contacts
- Connect up to 20 Hispec fire devices per system

Other Features

- Triggers the alarm system when N/O contacts close
- Can be linked to sprinkler system when changeover contacts are specified.
- Can be linked to EN54 Fire Panel

PRODUCT SPECIFICATION

Product Life:	10 Years
Supply Voltage:	230V AC, 50/60Hz, 50mA
Backup Battery:	3V Rechargeable Lithium Battery (Sealed)
Output:	Contact IN - SW
Knock-outs:	25 x 20mm, 16 x 20mm
Interconnection:	MAX 40pcs devices in 150 metres
Operating/Storage Temp:	-10oC to 40oC
Operating/Storage Humidity:	15% to 95% Relative Humidity
Plastic Material:	ABS
Approval:	CE

INTRODUCTION

Please carefully read and retain this manual for the entire duration of the device's use, as it contains vital information on the installation and operation of the HSSA/INPUTMODULE Switch Input Module. The manual should be considered an integral part of the product, and if you are installing the device, it is mandatory to provide a copy of the manual to the homeowner and any subsequent users.

The HSSA/INPUTMODULE is a device that has been designed to provide a fire warning by sounding interconnected Hispec Mains Powered Alarms when the external normally open contacts connected to the switched inputs close. Its primary applications include triggering Smoke/Heat Alarms to sound when a Sprinkler System is activated, thus alerting residents to the risk of fire audibly as well as triggering all Smoke/Heat Alarms in an apartment to sound when the conventional or addressable (EN54) life safety system in the common areas of the residence detects fire.

IMPORTANT SAFETY NOTES

The installation of mains-powered HSSA/INPUTMODULE Switch Input Module should be performed by a qualified electrician in accordance with the relevant local Regulations for Electrical Installations (BS 7671). Incorrect installation may expose the occupant to shock or fire hazards which will damage the product and deem the whole electrical installation unsafe. This unit is not intended for outdoor use.

The Switch Input Module must not be powered from a light dimmer circuit.

INSTALLATION INSTRUCTION

BEFORE WIRING THE SWITCH INPUT MODULE
Carefully read and follow these instructions:

1. Always isolate the mains supply to the desired wiring circuit by switching off the relevant circuit protective device and locking off.
2. To prevent injury, securely attach the apparatus to the ceiling or wall using the fixing screws provided. Choose a suitable mounting position according to the smoke/heat alarm instructions and fix the alarm to the switch input module. (If separate siting of the module is desired, cover the internal components with the cover provided.)
3. If the incoming wiring is on the surface of the wall/ceiling, use appropriately sized trunking/conduit to cover exposed cable. Remove the plastic knockout with a sharp knife, ensuring that there is no gap when fixed with the trunking/conduit. There are two suitable surface mounting knockouts and two rear entry knockouts. Remove the desired one according to your desired entry type and trunking size. (See Fig 2)
4. Bring the external N/O contact cables into the module.

Note: If it is connected to a EN54 System, an Input/Out Module is required. If it is connected with Sprinkler System Changeover, the contact should be specified when it is being installed.

Fig. 1 Product Dimension

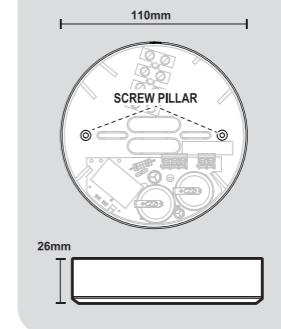
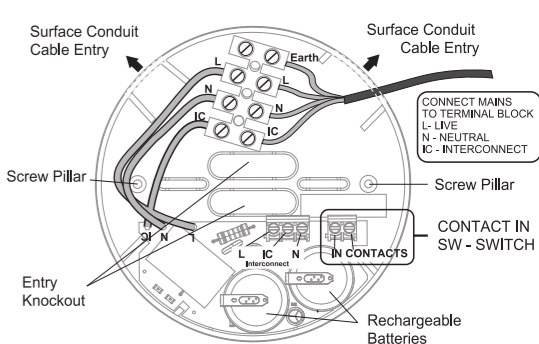


Fig. 2 Wiring Details for Wire Connection

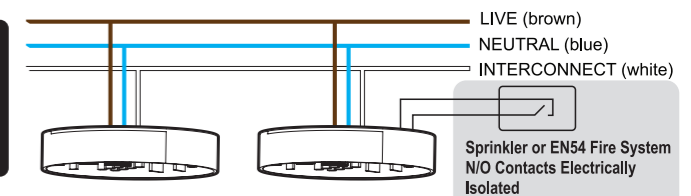


WIRING INSTRUCTION

At this point, the HSSA/INPUTMODULE should already been screwed to the wall/ceiling.

1. First, connect the wires - Live (L), Neutral (N), Interconnect (IC), and Earth) to the mains terminal block according to Fig.2. (Screw tightening torque: max 0.5Nm (5.1kgf.cm)).
- Note: Do not connect a green/yellow or copper earth wire to any terminal, as the unit must not be earthed.
2. Connect the two wires from the sprinkler or EN54 system to the terminals marked 'Contacts In'.

Fig. 3 Wiring Instruction



WARNING

Switch off power before installation!
Switch power supply back on after install & circuit examination.
Professional electrician required for installation & maintenance.



EASY INSTALL



GUARANTEE



Designed & Developed



WIRING INSTRUCTION cont...

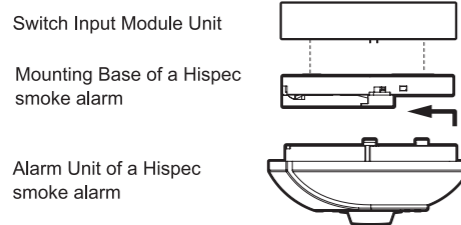
3. Connect the three short wires ("L" Brown, "N" Blue and "IC White) from the Module to the connector Block on the Hispec Smoke/Heat/CO Mounting Plate. If the Earth wire is present, connect it from the wiring in house directly to the terminal on the Plate (see relevant Smoke/Heat/Fire Alarm instructions).

4. There are two ways to install the Switch Input Module:

4.1. Install the Switch Input Module as Junction-Box Position:

1. Fit and screw the Mounting Plate of Smoke/Heat/CO alarm on the Switch Input Module Pillar (Fig. 4.1.)
2. Slide the Alarm unit into the Mounting base.

Fig. 4.1 Installing the Switch Input Module as mounting base



4.2 Install the Switch Input Module as an independent part.

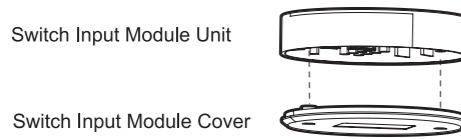
Note: This Installation is used if it is not convenient to install the Switch Input Module under an alarm.

1. Screw-fix the plastic cover into the pillar of Switch Input Module Unit using the two screws supplied.
2. Trigger the external contacts (such as the Sprinkler System Control Panel or the EN54 Fire System Panel).

Note: all Smoke/Heat/CO alarms should sound indicating the installation is successful.

Note: maximum of 20 units can be connected in 150 metres.

Fig. 4.2 Installing the Switch Input Module near the external contacts



MAINTENANCE

Routine Checking

We advise conducting a weekly inspection of your alarm system in accordance with the directions provided in the Smoke/Heat/Fire alarm manual. While doing so, make sure that the green light on the nearest alarm to the Switch Input Module is illuminated.

During regular inspections of external systems such as the Sprinkler System or the EN54 Fire Alarm 24V System, the contacts linked to the Switch Input Module should be activated. Verify that all alarms associated with the Switch Input Module are functioning.

Verification of the Back-Up Lithium Cells in the Switch Input. It is crucial to verify that the rechargeable cells in the Switch Input Module are fully charged and capable of triggering all alarms to sound. This should be done after initial installation and then at least once a year (when recharging the Smoke/Heat Alarms' rechargeable cells).

Disconnect the primary power supply.

Activate the Switch Input Module as described in 2 above. Check that all alarms sound loudly. If everything is satisfactory, reconnect the primary power source.

END OF LIFE

If the Switch Input Module malfunctions and the fault has been traced back to it, it must be replaced after 10 years or if it fails to operate.

SWITCH INPUT MODULE LIMITED WARRANTY

This device is in warranty under normal use and service for a period of 5 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 that have occurred after the date of purchase. Send the product with proof of purchase, postage and return postage prepaid, to your local distributor. The liability of the company arising from the sale of this product shall not in any case exceed the cost of replacement of the product and in no case shall the company be liable for consequential loss or damages resulting from the failure of the product.

HISPEC ELECTRICAL PRODUCTS LTD. SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE, OR ANY SPECIAL INCIDENTAL, CONTINGENT OR CONSEQUENTIAL DAMAGE OF ANY KIND RESULTING FROM A FIRE. THE EXCLUSIVE REMEDY FOR BREACH OF THE LIMITED WARRANTY CONTAINED HEREIN IS THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT AT HISPEC ELECTRICAL PRODUCTS LTD. OPTION. IN NO CASE SHALL HISPEC ELECTRICAL PRODUCTS LTD.'S LIABILITY UNDER ANY OTHER REMEDY PRESCRIBED BY LAW EXCEED THE PURCHASE PRICE. YOUR PRODUCT IS NOT A SUBSTITUTE FOR PROPERTY, DISABILITY, LIFE OR OTHER INSURANCE OF ANY KIND. APPROPRIATE COVERAGE IS YOUR RESPONSIBILITY. CONSULT YOUR INSURANCE AGENT.



This does not affect your statutory rights. 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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INSTALLATION MANUAL

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HSSA/INPUTMODULE

For further assistance, visit www.hispec.co.uk
or contact customer services on 01257 262197