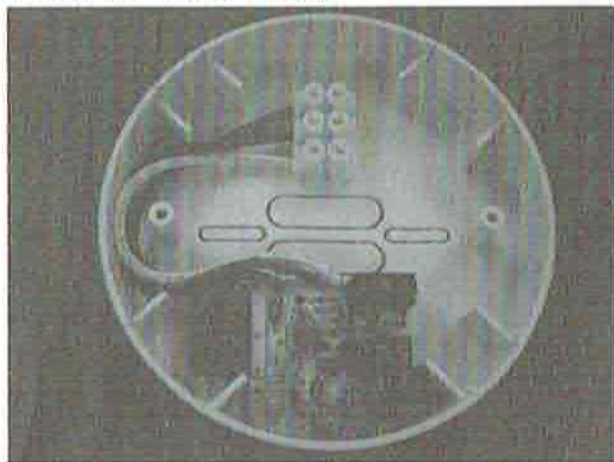




## PATRESS BOX (MOUNTING BASE) WITH RELAY OUTPUT FOR PHOTOELECTRIC SMOKE ALARM AND HEAT ALARM



### MODEL : NP-5R

#### Main Features :

- Normally Open / Normally Close / Common From C Relay
- Knock-outs Provide Flexibility Of Cable Entry
- Easy Installation
- Robust ABS Design
- Supplied With Wall Plugs & Screws

This instruction leaflet contains important information on the correct installation and operation of your Relay Patress. Read this leaflet fully before attempting installation and retain for future reference.

#### SPECIFICATIONS

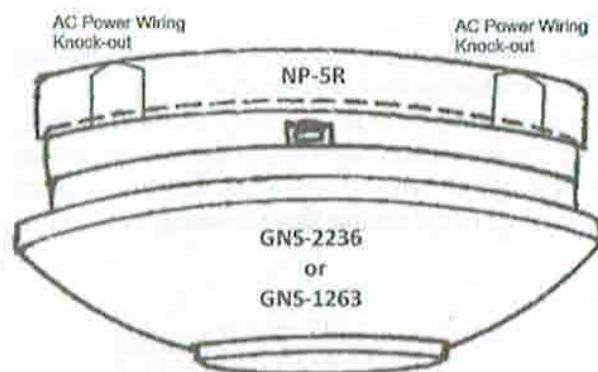
Power Source	: AC 230V 50Hz 40mA DC 9V +/- 5%
Relay Max. Switching Voltage	: AC 240V, DC 60V
Relay Max. Switching Current	: 3A
Relay Rating	: 1A at 120VAC 2A at 24VDC NO/NC/C volt-free contacts
Dimension	: 110mm(D) X 22mm (H)
Knock-outs	: 2 x 20mm, 2 x 28mm

#### PRODUCT DESCRIPTION

This patress box with relay module is an accessory for use only with GARVAN's smoke or heat alarms and is used to activate auxiliary devices. All devices to be activated must be 220-240V, 50Hz, or 60V DC 3 Amps maximum.

#### Application

This patress box complete with relay contacts. It is designed with universal surface mounting facility matched with Garvan smoke alarm (GNS-2236) or heat alarm (GNS-1263). Its specific application is when the smoke alarm or heat alarm is triggered (alarmed), this patress box can be operated to remote external electrical system such as an automatic door release, security system or exhaust fan power.



#### READ THIS FIRST

- Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- Disconnect the base / detector from the electrical supply before flash or high voltage testing.
- Do not connect to a circuit which also has inductive loads connected as spikes generated switching inductive loads may damage electric components within your detector.
- Suitable for indoor use only.
- Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.
- The chosen location of your new base should allow for the product to be securely mounted (e.g. to a ceiling joist) and safely connected to the mains supply (lighting circuit).
- Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).
- If the location of your new fitting requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations. Smoke alarms and heat alarms must be mounted at least 300mm from lights fittings or other obstructions, see the alarms instructions.
- Make connections to the electrical supply in accordance with the following code:  
Live – Brown or Red  
Neutral – Blue or Black  
Sensor – See alarms instructions

## INSTALLING THE RELAY PATRESS

**WARNING** – This is designed for installation by a qualified electrician, in accordance with the current IEE regulations for Electrical Installations (BS7671). Failure to install correctly may result in a fatal shock or fire hazard.

The circuit used to power the smoke alarm must be a dedicated permanent supply that cannot be switched off accidentally by the normal user. Before installing ensure the electrical supply is isolated. (Refer to manufacturer literature / manual of smoke alarm)

- Electricity must be turned off at system supply before beginning installation to prevent electrical shock or equipment damage.
- Having established the mounting location ensures that there is no electrical wiring or pipe work in the area adjacent to the mounting surface.
- Confirm the fixing position by checking the installation details of the smoke alarm or heat alarm.
- Connect the wiring to the terminal block as detailed above. Ensure that all connections are secure and no "whiskers" or bare wires are left free of the terminals. **The live wire can only connect either Normal Open or Normal Closed.**

- Secure the patress box to the ceiling using the screws and wall plugs supplied.
- Fit your smoke alarm or heat alarm to your patress box. Connect the wires (with smoke alarms or heat alarms). See wiring diagram below.

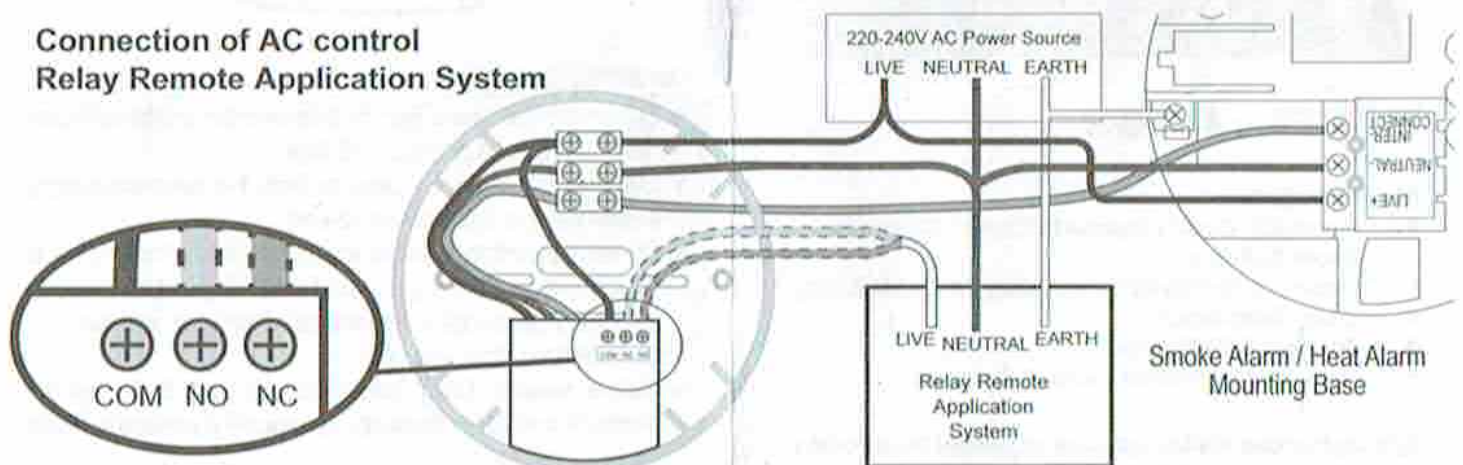
Waste electrical products should not be disposed of with normal household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. New regulation will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive"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



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### Connection of AC control Relay Remote Application System



### Connection of Switching Control Relay Remote Application System

