

## SMOKE/HEAT ALARM RELAY MODULE

### READ ALL INSTRUCTIONS

This manual contains instructions for the installation of your relay module. This relay module is UL Listed as an accessory for use only with USI ELECTRIC and UNIVERSAL smoke alarms and heat alarms and is used to activate auxiliary devices. All devices to be activated must be 120 VAC, 60 Hz 5 Amps maximum, or 28 VDC 5 Amps maximum.

The relay module has "Form C Dry Contacts" only (normally open and normally closed) and does not supply 120 VAC to the load.

### WARNING

This relay module will not operate without continuous 120 VAC power.

### CAUTION

Do not interconnect your relay module with any other manufacturer's units. Doing so may cause permanent damage.

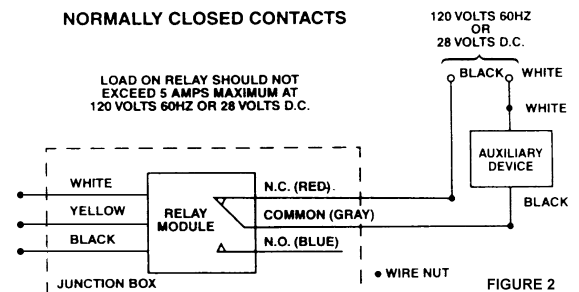
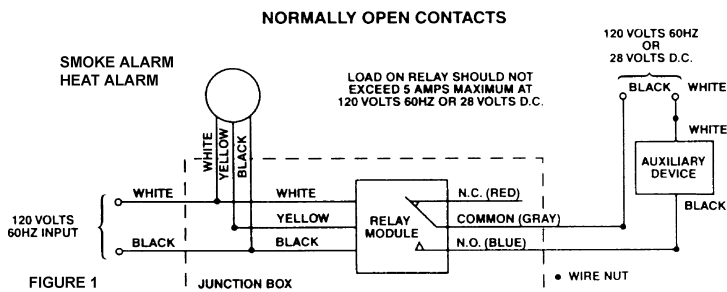
Suggested uses for the relay module include sirens, bells, exit signs, fire doors, exhaust fans, warning lights, visual indicators. This relay module is not recommended for use with security alarm panels or automatic dialers. NOTE: This relay is not intended for use in assisting persons with disabilities.

Each relay module replaces one smoke alarm load in an interconnected string of alarms. Therefore, the use of the relay reduces the maximum number of interconnected units by one. The relay module is not to be used as a method of extending the maximum number of alarms permitted in multiple station operation (refer to your alarm manual).

### INSTALLATION INSTRUCTIONS

This relay module should be installed in a junction box. All connections should be made by a qualified electrician in accordance with requirements of the National Electric Code and/or any local codes having jurisdiction.

1. Turn off the main 120 VAC power circuit breaker.
2. Install smoke alarm; heat alarm as per instructions provided in instruction manuals.
3. Connect the black wire of the relay module to the black wire of the 120 VAC.
4. Connect the yellow wire of the relay module to the yellow wire of the smoke alarm or heat alarm.
5. Connect the white wire of the relay module to the white wire of the 120 VAC.
6. Connect the auxiliary device to the relay module contact leads as required. Both normally open and normally closed contacts are available to control the auxiliary device. NOTE: The relay contact rating is 5 Amps maximum at 120 VAC or 28 VDC. See NEC, Article 725-36(a)(2) for additional information on combining 120 VAC circuits with low voltage Class 2 and Class 3 circuits.
7. Any unused leads should be insulated with a wire nut.
8. Insert the relay module into the junction box and install the faceplate.
9. Apply 120 VAC power to the circuit and test the alarms and the auxiliary device for proper operation.
10. See Figures 1 and 2 below for examples of wiring normally open or normally closed circuits.



### USI ONE YEAR LIMITED WARRANTY

**USI ELECTRIC, INC. / UNIVERSAL ("USI") warrants your product to be free from defects in material and workmanship for a period of one (1) year from the date of purchase.** This warranty applies only to the original consumer purchaser and only to products used in normal residential use and service. If this product is found to be defective, USI's only obligation, and your exclusive remedy, is the repair or replacement of the product, at USI's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alteration, neglect or mishandling. This Warranty shall not apply to any product which is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product. This warranty shall not apply to any batteries used in the product or to any damage which may be caused by such batteries. For replacement of this product under the terms of this Warranty, contact our Customer Service line at 1-800-390-4321, Ext. 238, for current postage and handling fees.

**USI DOES NOT WARRANT AND SPECIFICALLY DISCLAIMS ANY WARRANTY, WHETHER EXPRESS OR IMPLIED, OF FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THE WARRANTY CONTAINED HEREIN. NO IMPLIED WARRANTY ON THIS PRODUCT, CREATED BY STATE LAW, SHALL EXTEND BEYOND THE TERM OF THIS WARRANTY UNLESS SUCH LAW OTHERWISE PROVIDES. USI SPECIFICALLY DISCLAIMS ANY LIABILITY AND SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE, INCLUDING, BUT NOT LIMITED TO, DAMAGES TO ANY EQUIPMENT WITH WHICH THIS PRODUCT IS USED.**

Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you.

No agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or terms of this Warranty.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This Warranty is only valid for merchandise purchased from outlets in the United States and Canada.

Visit Us on the Web! [www.UniversalSecurity.com](http://www.UniversalSecurity.com)

**USI ELECTRIC, INC.**  
**UNIVERSAL**  
SECURITY INSTRUMENTS, INC.  
11407 Cronhill Drive, Suite A  
Owings Mills, Maryland 21117 USA