



NAPCO

**HOW TO USE YOUR
FEATURE SELECTION GUIDE**

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NOTE: The Master PROM constitutes proprietary information of NAPCO SECURITY SYSTEMS, INC. and is protected by copyright laws. Unauthorized use of the PROM in other than NAPCO products is strictly prohibited.

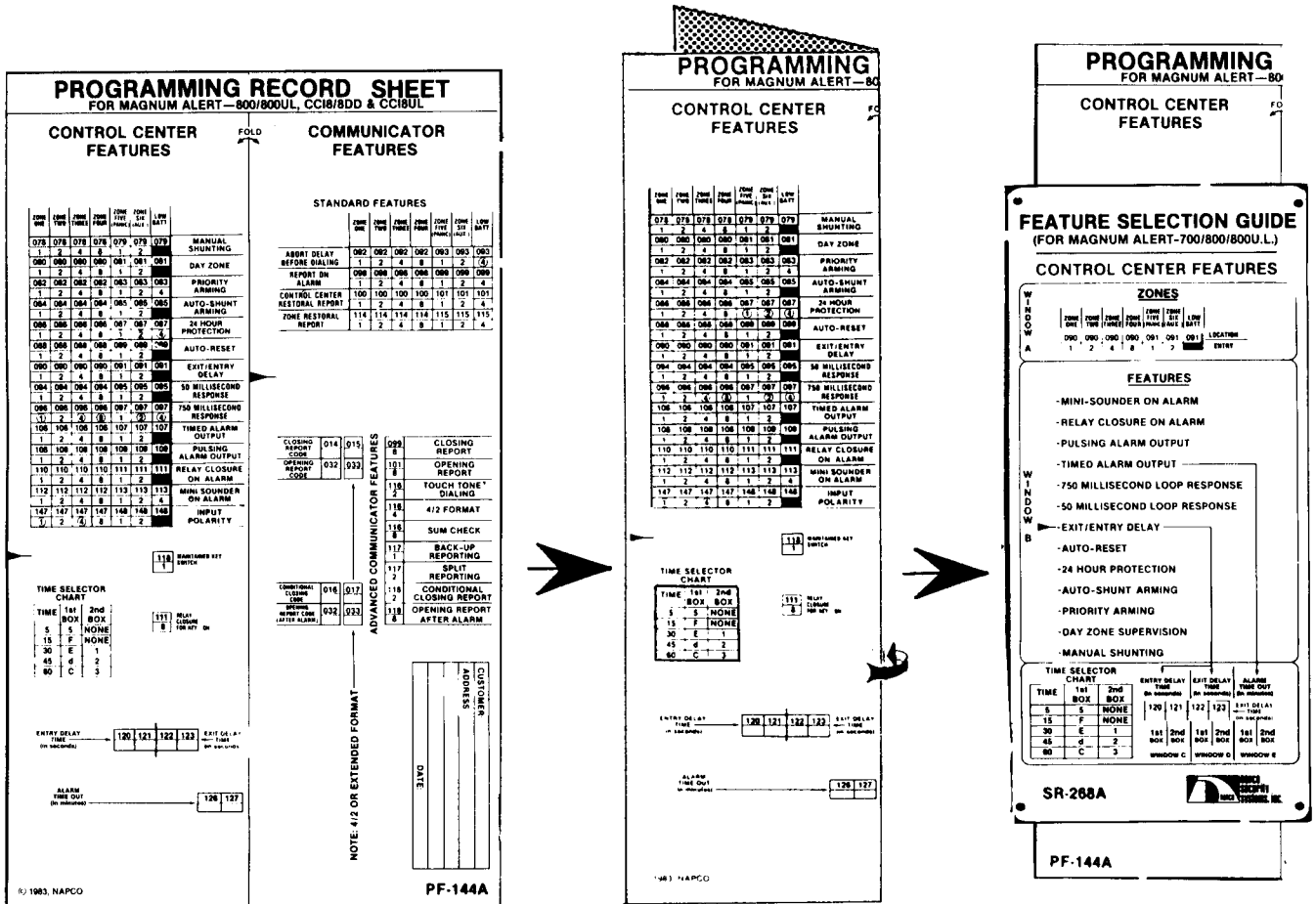
HOW TO USE A NAPCO FEATURE SELECTION GUIDE

INSERTING YOUR PROGRAMMING RECORD SHEET

This Feature Selection Guide is used together with your control center's Operation, Installation and Programming Instructions to help you select those features needed for your installation. The control center instructions describe each feature. The Feature Selection Guide helps you complete the Programming Record Sheet to select the features you will program for your installation.

Fold and insert the Programming Record Sheet into the Feature Selection Guide as shown in the example in Diagram 1 below. Note, in the example, that the "Control Center Features" side of the Programming Sheet faces the side of the Feature Selection Guide with the same title.

Diagram 1

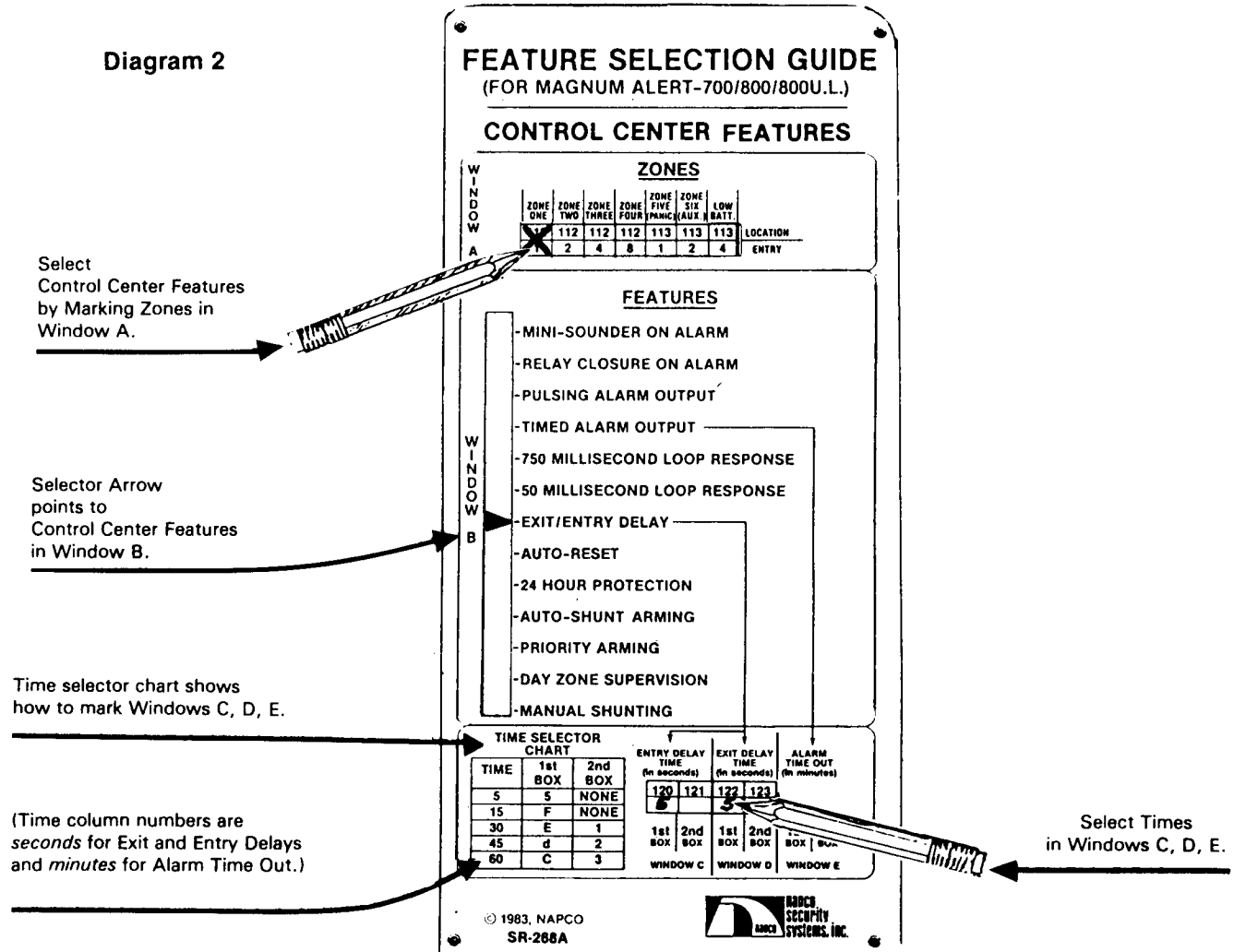


Look at the side entitled Control Center Features. Notice the Features listed vertically down the left-hand side of the Guide, along Window B. All of these features are selectable for each zone listed horizontally across the top, in Window A.

SELECTING CONTROL CENTER FEATURES

Slide the Programming Record Sheet down until the selector arrow in Window B lines up with bottom feature listed there. Mark the box or boxes in Window A corresponding to any zone requiring this feature. Diagram 2 shows Manual Shunting selected on Zone One.

Diagram 2



Next slide the Programming Record Sheet upward. Stop each time the arrow points to a feature needed for your installation and mark the zone or zones to receive that feature.

CAUTION: Certain feature combinations do not work. Some features do not work unless other features are also selected. For complete programming information, check each feature in your control center's Operation, Installation and Programming Instructions before selecting it.

Some features require time periods. For example, if you select Exit/Entry Delay, you must also enter Exit and Entry Delay times. If your system will have Timed Alarm Output, you must also enter Alarm Time Out. Use the instructions on the next page for Selecting Time Periods.

SELECTING TIME PERIODS

Use the Time Selector Chart to choose time periods. Examples are:

Exit/Entry Delay Time

Refer to Diagram 2. Select the number of seconds for your Entry Delay period from the Time column of the Time Selector Chart. The next column (1st Box) tells you what to enter in the 1st Box position of Window C. The 2nd Box column of the Time Selector Chart tells you what to enter in the 2nd Box of Window C.

Select a time for your Exit Delay period and mark it in Window D.

Alarm Time Out (for Timed Alarm Output)

To select an Alarm Time Out period, select the number of minutes from the Time column of Time Selector Chart. Fill in 1st Box and 2nd Box in Window E.

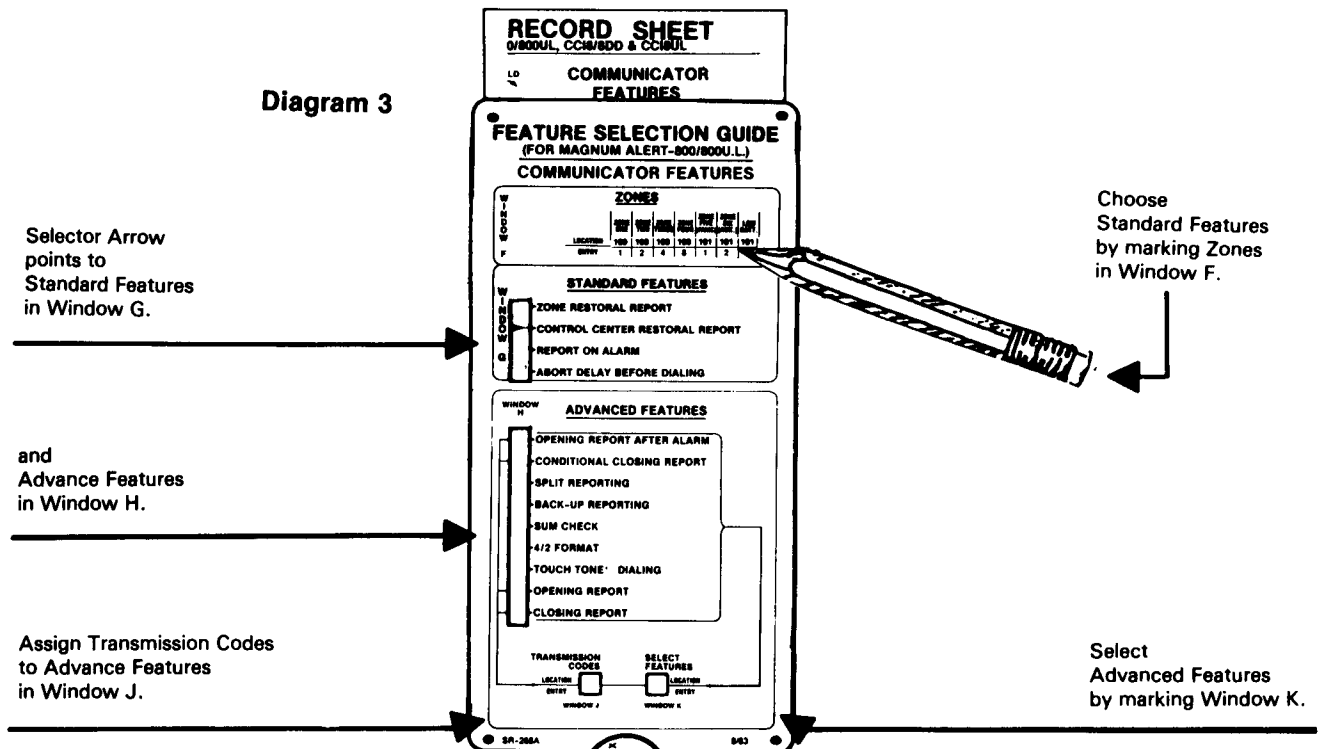
After Control Center Features Selection

If your control center has a digital communicator, proceed with Selecting Digital Communicator Features, below.

For installations without a digital communicator, turn to Completing the Programming Record Sheet, later in this booklet.

SELECTING DIGITAL COMMUNICATOR FEATURES

Turn the Feature Selection Guide (with Programming Sheet still inserted) to the Communicator Features side. Communicator Features are listed vertically along Windows G and H. Zones are listed horizontally along Window F. (See Diagram 3.)



Standard Digital Communicator Features

Standard Communicator Features are those selected by zone. Slide the Programming Record Sheet so that the arrow lines up with the

bottom feature listed in Window G. (For example, Diagram 3 shows Abort Delay Before Dialing as the bottom Standard Communicator Feature.) Mark the box or boxes in Window F corresponding to any zone requiring this feature.

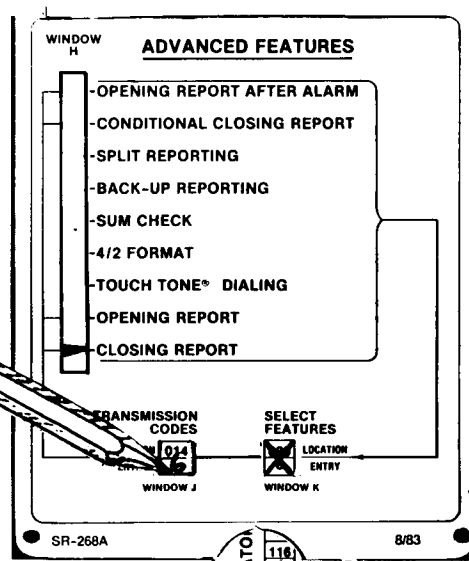
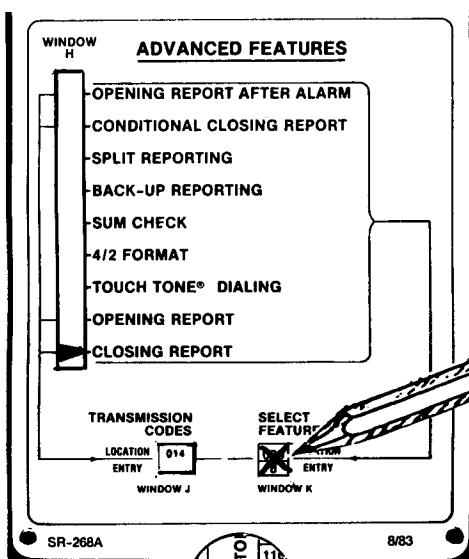
Repeat this procedure for all the Standard Features along Window G.

Advanced Communicator Features

Advanced Communicator Features are selected for your whole system, rather than for an individual zone. Advanced Features are listed along Window H and are selected in Window K. (See Diagram 4.) Slide the Programming Record Sheet down until the Selector Arrow lines up with bottom feature in Window H. If you wish to select this feature, mark the box in Window K. (The example in Diagram 4 shows the Closing Report feature selected.)

Diagram 4

Diagram 5



NOTE: Some Advanced Features (for example, Opening Report, Closing Report, Conditional Closing Report and Opening Report after Alarm) require a separate Transmission Code to be transmitted to the Central Station. When you select any of these reporting features, a Location number will appear in Window J. Mark the separate code in the Entry box of Window J.

Diagram 5 shows a Transmission Code marked for Closing Report. In this example, closings would be reported to the central station as code "6".

Continue moving the arrow upward. Stop at each Advanced feature needed for your installation and check the box in Window K.

Mark Window J only when (1) a Location number appears in Window J showing a separate Transmission Code is necessary and (2) Window K has already been marked to select that feature. Your control center's Operation, Installation and Programming Instructions indicates when a feature requires a Transmission Code.

To use 4/2 Format or Extended Format Reporting, consult the central station to determine if their receiver will accept these transmissions, then complete any Transmission Code by marking its second digit after the Programming Record Sheet is removed from the Feature Selection Guide. (Your control center's Operation, Installation and Programming Instructions explains the 4/2 Format feature and Extended Format Reporting.)

Remove the Programming Record Sheet and turn it over to complete:

COMMUNICATOR TRANSMISSION INFORMATION

Alarm Codes

Enter your single digit Standard Alarm Code for each zone, in the row of boxes labeled Standard. For 4/2 or Extended Formats, enter the second digit of your Alarm Code in the row of boxes directly below the Standard boxes.

Restore Codes

Enter your single digit Standard Restore Code for each zone in the row of boxes labeled Standard. For 4/2 or Extended Formats, enter the second digit of your Restore Code in the row of boxes directly below the Standard boxes.

Subscriber Identification Number

Subscriber Identification Numbers are assigned by the central station. Subscriber Identification #1 is for use with the first Telephone Number. A second Subscriber Identification Number is used only when you have selected a feature that allows the communicator to dial the second Telephone Number (for example: Back-Up Reporting or Split Reporting). The second Subscriber Identification Number may be different from the first or the same number.

A Subscriber Identification Number must consist of at least 3 digits even though the first and second may be zeros. (Examples are 001, 057.)

The fourth box for the Subscriber Identification Number is used (and required) only for the 4/2 Format.

4-Second Pre-Dial Delay

Use only where required. (See your control center's Operation, Installation and Programming Instructions.)

Access Number For Outside Line

Use only where required. (See your control center's Operation, Installation and Programming Instructions.)

Dial Tone Detection and Telephone Number

At least one Telephone Number must be entered. A second Telephone Number is entered when you have selected a feature that allows the communicator to dial the second number (for example: Back-Up Reporting or Split Reporting). An "E" for Dial Tone Detection must be entered before each Telephone Number.

Central Station

Write in the name of the central station on the line provided. The central station will advise its receiver model and transmission format. Write the model next to the word "Receiver". Check the box to the left of the transmission format used by that receiver.

COMPLETING THE PROGRAMMING RECORD SHEET

Turn the Programming Record Sheet over to the side where you previously marked Control Center and Communicator features:

1) Fill in the Customer information and date in the lines provided.

2) Check for any features listed on the Programming Sheet which are not listed on the Feature Selection Guide. Consult your control center's Operation, Installation and Programming Instructions to

select any of these.

3) If you require 4/2 or Extended Format, turn your Programming Sheet to the Communicator Features side and enter the second digit for any Transmission Codes already partially entered.

You now have the necessary programming information on one sheet and can proceed to the next step:

PROGRAMMING

A blank (subscriber) PROM is an integrated circuit (chip) which must be programmed to contain the features you have selected and the Communicator information for your installation. After it is programmed on a Napco model PRO-410 or DD-490 Programmer, the PROM is plugged into the PROM socket on the control center circuit board.

A blank (unprogrammed) PROM is supplied with each Napco microcomputer control center. Before this blank PROM can be programmed with your features and Communicator information, the background data contained in a master PROM must be copied onto it.

Each control center model uses a particular series of master PROMs. Some control centers have an additional series of master PROMs which provide a preprogrammed selection of features suitable for a majority of installations. (An example is the SFF-492 Standard Feature Package for the MAGNUM ALERT-800, CCI-8 and CCI-8DD.) Since you have selected features using the Feature Selection Guide, you should not use a master PROM with a preprogrammed group of features. Use the series that provides only the background information. (For example, use the CCI7/8 series for the MAGNUM ALERT-800, CCI-8 and CCI-8DD control centers.)

Master PROM series for control centers with digital communicators may have several versions. Use the master PROM version shown next to the box you checked for central station receiver format (Communicator Transmission Information side of your Programming Record Sheet).

Follow these steps to program the entries from your Programming Record Sheet onto a subscriber PROM:

- 1) Select the correct master PROM. (See Ordering Information.)
- 2) Using either a DD-490 or PRO-410 Programmer, follow the instructions with that Programmer to copy the correct Master Format PROM onto the blank PROM.
- 3) Remove the master PROM. Following the instructions for the Programmer used, proceed to program the entries in the boxes from your Programming Record Sheet into matching locations on the subscriber PROM.

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for fifteen months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

In case of defect, contact the security professional who installed and maintains your security system. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

In order to exercise the warranty, the product must be returned by the user or purchaser, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty.

There are no warranties, express or implied, which extend beyond the description on the face hereof. There is no express or implied warranty of merchantability or a warranty of fitness for a particular purpose. Additionally, this warranty is in lieu of all other obligations or liabilities on the part of NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. In no case shall NAPCO be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, even if the loss or damage is caused by the seller's own negligence or fault.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in

excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. **CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING.** Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage. If the user wishes to protect itself to a greater extent, NAPCO will, at user's sole cost and expense, obtain an insurance policy to protect the user, supplemental to user's own policy, at a premium to be determined by NAPCO's insurer upon written notice from user by Certified Mail, Return Receipt Requested, to NAPCO's home office address, and upon payment of the annual premium cost by user.

Some states do not allow limitations on how long an implied Warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.