GE Security

NetworX™ Series

NX-216 Zone Expander

Installation manual

CONTENTS

GENERAL INFORMATION

The NX-216 is a microprocessor-controlled 16 zone expander for the NX-8 control panel. Up to five NX-216 expanders can be added to the NetworX control panel with a maximum zone count of 48 zones. Each expander has an optional tamper switch and power isolator making it ideal for use in a remote location.

ORDERING INFORMATION

For detailed ordering information and part numbers, please refer to the EMEA Distribution price list of the Caddx product range.

INSTALLING THE NX-216

The first thing that must be decided is the starting zone of this particular zone expander. The starting zone must be on a boundary of eight (8) zones. The sixteen (16) zones then move out from this starting position. There are stick-on zone labels to indicate the zone numbers that you select. To set the starting zone, set the DIP switch according to the table below:

Note: the position of all switches is only updated when the NX-216 is powered up. Before you change the position of these switches you must power down the expander.

Starting zone number	DIP switch 1	DIP switch 2	DIP switch 3	Module number
9	OFF	OFF	OFF	22
9	ON	OFF	OFF	23
17	OFF	ON	OFF	16
25	ON	ON	OFF	17
33	OFF	OFF	ON	18
41	ON	OFF	ON	19

DIP switch 4: DIP switch 4 is used to disable the second block of eight (8) zones on this zone expander. This can be done if only an eight (8) zone expander is required in a particular expander location. In this case, up to 5 expanders can be added to the system creating a total of 48 zones. To disable the second group of eight (8) zones on this expander, turn DIP switch 4 on.

ENROLLING THE NX-216 EXPANDER

For supervision purposes, the presence of all keypads, zone expanders, wireless receivers, and any other modules connected to the data terminal can automatically be found and stored in the NX-8's memory. This allows the control panel to supervise these modules. To enroll the modules, enter the program mode for the NX-8 control panel as described in the paragraph of this manual. If necessary, go on to program the rest of the control panel and the devices. When you exit from program mode, the control panel will automatically enroll the devices. The enrolling process takes about 12 seconds, during which time a "Service" indication will be displayed. If a module has been enrolled but it is not detected by the control, the "Service" indication (LED or LCD screen) will be displayed.

PROGRAMMING THE NX-216 EXPANDER MODULE

Programming the NX-216 via the LED keypad

ENTERING THE PROGRAM MODE

To enter the program mode, press [*]-[8]. At this time, the five functions LED's (Stay, Chime, Exit, Bypass and Cancel) will begin to flash. Next, enter the "Go To Program Code" (factory default is [9]-[7]-[1]-[3]). If the "Go To Program Code" is valid, the "Service" LED will flash and the five function LED's will illuminate steady. You are now in the program mode and ready to select the module to program.

Note: it is impossible to enter program mode if any partition or the system is armed.

SELECTING THE MODULE TO PROGRAM

Since all modules connected to the NX-8 are programmed through the keypad, the module you are programming should be the first entry. To program the NX-216 module, enter the address of the NX-216, followed by [#]. See DIP switch chart on previous page.

PROGRAMMING A LOCATION

Once the number of the module to be programmed has been entered, the "Armed" LED will illuminate, indicating it is waiting for a programming location to be entered. Any location can be accessed by directly entering the desired programming location followed by the pound [#] key. If the location entered is a valid location, the "Armed" LED will extinguish, the "Ready" LED will illuminate, and the zone LED's will show the binary data for the first segment of this location. While entering new data, the "Ready" LED will begin flashing to indicate a data change in process. The flashing will continue until the new data is stored by pressing the [*] key. Upon pressing the [*] key, the keypad will advance to the next segment and display its data. This procedure is repeated until the last segment is reached. Pressing the [#] key will exit from this location and the "Armed" LED will illuminate again waiting for a new programming location to be entered. If the desired location is the next sequential location, press the [Police] key. If the previous location is desired press the [Fire] key. If the same location is desired press the [Medic] key. To review the data in a location, repeat the above procedure, pressing the [*] key without any numeric data entry. Each time the [*] key is pressed, the programming data of the next segment will be displayed for review.

EXITING A LOCATION

After the last segment of a location is programmed, pressing the [*] key will exit that location, turn the "Ready" LED off and the "Armed" LED on. As before, you are now ready to enter another programming location. If an attempt is made to program an invalid entry for a particular segment, the keypad sounder will emit a triple error beep (beep, beep, beep) and remain in that segment awaiting a valid entry.

EXITING THE PROGRAM MODE

When all the desired changes in programming have been made, it is time to exit the program mode. Pressing the [Exit] key will exit this programming level, and then return to the “Select a Module to Program” level. If no additional modules are to be programmed, pressing the [Exit] key again will exit the program mode. If there is a module to be programmed, it may be selected by entering its address followed by the [#] key (see “Selecting the Module To Program” above). The procedure for programming these devices is the same as for the control panel, except the locations will be for the module selected.

Note: the timeout for the program mode is 15 minutes.

Programming the NX-216 via the LCD keypad

All steps required for programming are the same as the aforementioned LED keypad. The LCD keypad display will prompt you for the data required. While in the programming mode, and not in a location, the number in parenthesis is the location you were previously changing.

For example: if the display reads “Enter location, then # (5)”, it is reminding you that location 5 was the last location you programmed. Refer also to “Programming Data” which follows.

Programming data

Programming data is always one of two types. One type of data is numerical, which can have values from 0-15 or 0-255 depending on the segment size. The other type of data, feature selection data, is used to turn features on or off. Use the following procedures with these two data types:

NUMERICAL DATA: Numerical data is programmed by using the numeric keys of the system keypad to enter a number from 0-255. To view the data in a location, a binary process is used. With this process, the LED's for zones 1 through 8 are utilized, and the numeric equivalents of their illuminated LED's are added together to determine the data in a programming location. The numeric equivalents of these LED's are as follows:

Zone 1 LED = 1	Zone 2 LED = 2	Zone 3 LED = 4	Zone 4 LED = 8
Zone 5 LED = 16	Zone 6 LED = 32	Zone 7 LED = 64	Zone 8 LED = 128

Example:

If the numerical data to be programmed in a location is "66", press [6] - [6] on the keypad. The LED's for zone 2 and zone 7 will become illuminated indicating 66 is in that location (2 + 64 = 66).

Once the data is programmed, press the [*] key to enter the data and advance to the next segment of that location. After the last segment of a location is programmed, pressing the [*] key will exit that location, turn the "Ready" LED off and the "Armed" LED on. As before, you are now ready to enter another programming location. If an attempt is made to program a number too large for a particular segment, the keypad sounder will emit a triple beep, indicating an error, and remain in that segment awaiting a valid entry.

Remark: on the LCD keypad, the number in the location will be displayed. For locations with a maximum of 15, the hexadecimal equivalent will be displayed in parenthesis. Example: 11 (B) or 14 (E).

FEATURE SELECTION DATA: Feature selection data will display the current condition (on or off) of eight features associated with the programming location and segment selected. Pressing a button on the keypad (1 through 8) that corresponds to the "feature number" within a segment will toggle (on/off) that feature. Pressing any numeric key between [1] and [8] for selection of a feature will make the corresponding LED illuminate (feature ON). Press the number again, and the LED will extinguish (feature OFF). You will see that numerous features can be selected from within one segment. For instance, if all eight features of a segment are desired, pressing [1] - [2] - [3] - [4] - [5] - [6] - [7] - [8] will turn on LED's 1 through 8 as you press the keys, indicating that those features are enabled.

LCD keypad users note: the numbers of the enabled features will be displayed. However, the features not enabled will display a hyphen (-).

After the desired setting of features is selected for this segment, press the [*] key. This will enter the data and automatically advance to the next segment of the location. When you are in the last segment of a location and press the [*] to enter the data, you will exit that location. This will now turn the "Ready" LED off and the "Armed" LED on. As before, you are now ready to enter another programming location.

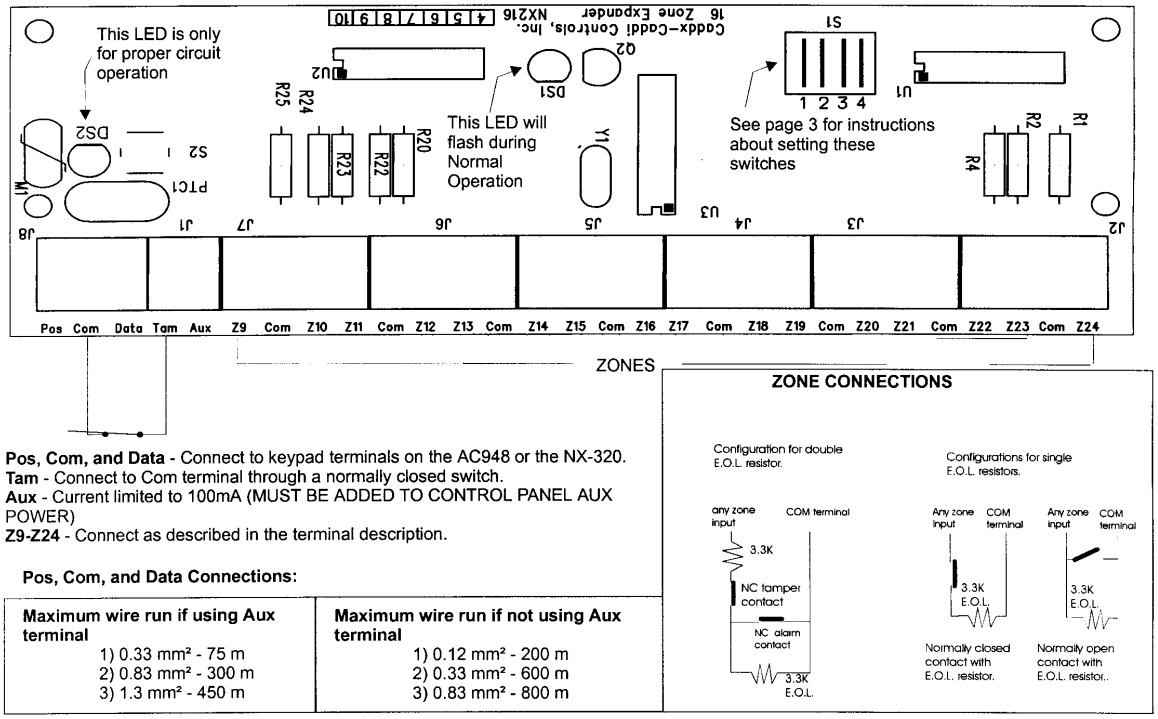
ZONE CONFIGURATIONS AND PARTITION SELECTION

Zones can be assigned to different zone configurations (zone types). The programming for all zone information is performed in the control panel. For instructions on accessing and programming the NX-8, as well as changing the characteristics of a configuration group, refer to the NX-8 installation manual.

TERMINAL DESCRIPTION

TERMINAL	DESCRIPTION
POS	Connect to the KP POS terminal of the control panel. Current draw is 30 mA.
COM	Connect to the KP COM terminal of the control panel.
DATA	Connect to the KP DATA terminal of the control panel (see the wiring diagram for wire specifications).
TAM	Connect as shown below. If not used, connect to a COM terminal.
AUX	Can be used to power devices directly from the NX-216. Power is coming from the control panel, therefore the current draw of these devices must be added to the total current draw of the NX-216. This output is current limited to 100 mA.
Z9	Connect to one side of zone 9 loop. Connect the other side to COM terminal. Open or short causes alarm (see wiring diagram for examples).
COM	Common (-) terminal for zones 9 & 10.
Z10	Connect to one side of zone 10 loop. Connect the other side to COM terminal. Open or short causes alarm (see the wiring diagram for examples).
Z11-Z24	Connect as described for Z9 & Z10.

NX-216 PRINT LAYOUT



Pos, Com, and Data - Connect to keypad terminals on the AC948 or the NX-320.
Tam - Connect to Com terminal through a normally closed switch.
Aux - Current limited to 100mA (MUST BE ADDED TO CONTROL PANEL AUX POWER)
Z9-Z24 - Connect as described in the terminal description.

Pos, Com, and Data Connections:

Maximum wire run if using Aux terminal	Maximum wire run if not using Aux terminal
1) 0.33 mm² - 75 m 2) 0.83 mm² - 300 m 3) 1.3 mm² - 450 m	1) 0.12 mm² - 200 m 2) 0.33 mm² - 600 m 3) 0.83 mm² - 800 m

TECHNICAL SPECIFICATIONS

Power supply (supplied from NX-8 control panel or NX-320 power supply):

- nominal: 12 Vdc
- minimum/maximum: 9 Vdc - 14 Vdc

12 Vdc Auxiliary power output (supplied from NX-8 control panel or NX-320 power supply):

- max. current consumption: 100 mA restricted by NX-216

Current consumption:

- typical: 34 mA

Loop resistance:	300 Ohm maximum
Loop response:	selectable 50 ms or 500 ms
Operating temperature:	0 - 50° C
Dimensions (LxWxH):	154 x 54 x 20 mm
Weight:	66 g

CE DECLARATION

GE Interlogix

SECURITY LIFESAFETY COMMUNICATIONS

CE

MANUFACTURERS DECLARATION OF CONFORMITY

For

Product identification:

Model/type : See Model Listing BOM rev. level See Model Listing
Category (description) : NX Alarm Control System
Brand : GE-InterlogiX - Aritech/ITI/Caddx

Manufacturer: GE Interlogix/Caddx
1420 N. Main, Gladewater
Texas 75647, USA

EU Representative: GE Interlogix B.V.
Kelvinstraat 7
6003 DH Weert, The Netherlands

Concerning	**RTTE**		
	EMC	**Safety**	**Telecom**
A sample of the product has been tested by:	Compliance Engineering Ireland Ltd. RAYSTOWN, RATOATH ROAD, ASHBOURNE, CO. MEATH, IRELAND & GE Security Ireland Ltd. Unit 2008, Orchard Ave, City West Business Campus. Naas Road Dublin 24, Ireland	GE Security Ireland Ltd. Unit 2008, Orchard Ave, City West Business Campus. Naas Road Dublin 24, Ireland	Belcomlab
Test report reference	CE Qualification Plan: 04DRQP003		
	04DREMC001/006/007/008/009/010/011/012/013 & 04E1244-2	01DR575LVD-1	BCL/00-04
Applied standards	EN50130-4/A2(2003) EN55022/A2(2003) EN61000-3-2(2000) EN61000-3-3(1995) +A1(2001) EN61000-6-3(2001)	EN60950-1(2001)	CTR21(1998) +EG201121(1998)

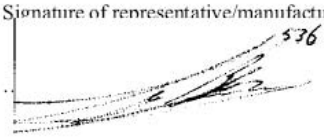
Equipment class identifier *(RF products falling under the scope of R&TTE)*

[X] *Not Applicable* [ ] None (class 1 product) [ ] Ω (class 2 product)

Means of conformity

We declare under our sole responsibility that this product is in conformity with Directive 93/68/EEC (Marking) and/or complies to the essential requirements and all other relevant provisions of the 1999/5/EC (R&TTE) based on test results using harmonized standards in accordance with the Directives mentioned.

Signature of representative/manufacturer:



Raoul van Bergen
Manager Control & Communications GE Interlogix B.V.
Kelvinstraat 7
6003 DH Weert
The Netherlands

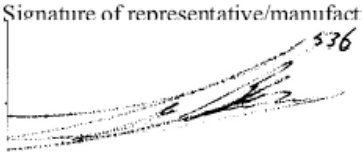
Place : Weert
Date : 29 April 2004

Page 1 of 4 Number: 46.01a

Model Listing:

Product	Product Description	BOM Revision Date
NX-216-AL	16 Zone Expander Module	December 2003
NX-216-FR	16 Zone Expander Module	December 2003
NX-216-UK	16 Zone Expander Module	December 2003
NX-216E	16 Zone Expander Module	December 2003
NX-216E-AL	16 Zone Expander Module	December 2003
NX-216E-FR	16 Zone Expander Module	December 2003
NX-320E	Auxiliary Power Supply	December 2003
NX-507-AL	Seven Port Relay Module	December 2003
NX-507-FR	Seven Port Relay Module	December 2003
NX-507E	Seven Port Relay Module	December 2003
NX-507E-AL	Seven Port Relay Module	December 2003
NX-507E-FR	Seven Port Relay Module	December 2003
NX-508-AL	Eight Port Output Module	December 2003
NX-508-FR	Eight Port Output Module	December 2003
NX-508-PL	Eight Port Output Module	December 2003
NX-508E-AL	Eight Port Output Module	December 2003
NX-508E-FR	Eight Port Output Module	December 2003
NX-508E-PL	Eight Port Output Module	December 2003
NX-534-AL	Two Way Listen-In Module	December 2003
NX-534-FR	Two Way Listen-In Module	December 2003
NX-534-WH	Two Way Listen-In Module	December 2003
NX-534E	Two Way Listen-In Module	December 2003
NX-534E-AL	Two Way Listen-In Module	December 2003
NX-534E-FR	Two Way Listen-In Module	December 2003
NX-584	Home Automation Module	December 2003
NX-540-ES	Operator, Telephone Interface Module	December 2003
NX-540E	Operator, Telephone Interface Module	December 2003
NX540E-ES	Operator, Telephone Interface Module	December 2003
NX-4	4 Zone Security Alarm Panel	December 2003
NX-4-BE	4 Zone Security Alarm Panel	December 2003
NX-4-BO-FG-BE	4 Zone Security Alarm Panel	December 2003
NX-4-BO-FG-IL	4 Zone Security Alarm Panel	December 2003
NX-4-BO-FG-NL	4 Zone Security Alarm Panel	December 2003
NX-4-BO-FG-PL	4 Zone Security Alarm Panel	December 2003
NX-4-BO-FG-SE	4 Zone Security Alarm Panel	December 2003
NX-4-CZ	4 Zone Security Alarm Panel	December 2003
NX-4-DK	4 Zone Security Alarm Panel	December 2003
NX-4-ES	4 Zone Security Alarm Panel	December 2003
NX-4-FR	4 Zone Security Alarm Panel	December 2003
NX-4-GR	4 Zone Security Alarm Panel	December 2003
NX-4-IL	4 Zone Security Alarm Panel	December 2003
NX-4-IT	4 Zone Security Alarm Panel	December 2003
NX-4-LX	4 Zone Security Alarm Panel	December 2003
NX-4-LX-IL	4 Zone Security Alarm Panel	December 2003
NX-4-LXT-ES	4 Zone Security Alarm Panel	December 2003
NX-4-LXT-GR	4 Zone Security Alarm Panel	December 2003
NX-4-LXT-IL	4 Zone Security Alarm Panel	December 2003
NX-4-LXT-TR	4 Zone Security Alarm Panel	December 2003
NX-4-LXT-UK	4 Zone Security Alarm Panel	December 2003
NX-4-NL	4 Zone Security Alarm Panel	December 2003
NX-4-NO	4 Zone Security Alarm Panel	December 2003
NX-4-PL	4 Zone Security Alarm Panel	December 2003
NX-4-PT	4 Zone Security Alarm Panel	December 2003
NX-4-RU	4 Zone Security Alarm Panel	December 2003
NX-4-SE	4 Zone Security Alarm Panel	December 2003
NX-4-TR	4 Zone Security Alarm Panel	December 2003
NX-4-UK	4 Zone Security Alarm Panel	December 2003
NX-4-LX-ZA	4 Zone Security Alarm Panel	December 2003
NX-6-BE	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-BE	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-GR	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-IT	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-NL	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-PL	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-RU	6 Zone Security Alarm Panel	December 2003
NX-6-BO-FG-UK	6 Zone Security Alarm Panel	December 2003
NX-6-CZ	6 Zone Security Alarm Panel	December 2003
NX-6-DK	6 Zone Security Alarm Panel	December 2003

Signature of representative/manufacturer:

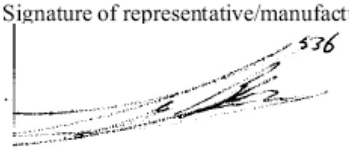


Raoul van Bergen
Manager Control & Communications GE Interlogix B.V.
Kelvinstraat 7
6003 DH Weert
The Netherlands

Place : Weert
Date : 29 April 2004

Product	Product Description	BOM Revision Date
NX-6-FR	6 Zone Security Alarm Panel	December 2003
NX-6-GR	6 Zone Security Alarm Panel	December 2003
NX-6-IL	6 Zone Security Alarm Panel	December 2003
NX-6-IT	6 Zone Security Alarm Panel	December 2003
NX-6-LX	6 Zone Security Alarm Panel	December 2003
NX-6-LX-CZ	6 Zone Security Alarm Panel	December 2003
NX-6-LXT-ES	6 Zone Security Alarm Panel	December 2003
NX-6-LXT-GB	6 Zone Security Alarm Panel	December 2003
NX-6-LXT-GR	6 Zone Security Alarm Panel	December 2003
NX-6-LXT-IL	6 Zone Security Alarm Panel	December 2003
NX-6-LXT-TR	6 Zone Security Alarm Panel	December 2003
NX-6-LXT-UK	6 Zone Security Alarm Panel	December 2003
NX-6-NL	6 Zone Security Alarm Panel	December 2003
NX-6-NO	6 Zone Security Alarm Panel	December 2003
NX-6-PL	6 Zone Security Alarm Panel	December 2003
NX-6-PT	6 Zone Security Alarm Panel	December 2003
NX-6-RU	6 Zone Security Alarm Panel	December 2003
NX-6-SE	6 Zone Security Alarm Panel	December 2003
NX-6-TR	6 Zone Security Alarm Panel	December 2003
NX-6-UK	6 Zone Security Alarm Panel	December 2003
NX-6-MAG	6 Zone Security Alarm Panel	December 2003
NX-6-LX-ZA	6 Zone Security Alarm Panel	December 2003
NX-8-BE	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-BE	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-GR	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-IT	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-NL	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-PL	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-RU	8 Zone Security Alarm Panel	December 2003
NX-8-BO-FG-SE	8 Zone Security Alarm Panel	December 2003
NX-8-BO-LR-FG	8 Zone Security Alarm Panel	December 2003
NX-8-BO-LR-FG-RU	8 Zone Security Alarm Panel	December 2003
NX-8-CB-BE	8 Zone Security Alarm Panel	December 2003
NX-8-CB-CZ	8 Zone Security Alarm Panel	December 2003
NX-8-CB-DK	8 Zone Security Alarm Panel	December 2003
NX-8-CB-ES	8 Zone Security Alarm Panel	December 2003
NX-8-CB-FR	8 Zone Security Alarm Panel	December 2003
NX-8-CB-GR	8 Zone Security Alarm Panel	December 2003
NX-8-CB-IL	8 Zone Security Alarm Panel	December 2003
NX-8-CB-IT	8 Zone Security Alarm Panel	December 2003
NX-8-CB-LX	8 Zone Security Alarm Panel	December 2003
NX-8-CB-LX-IT	8 Zone Security Alarm Panel	December 2003
NX-8-CB-LXR	8 Zone Security Alarm Panel	December 2003
NX-8-CB-LXTR	8 Zone Security Alarm Panel	December 2003
NX-8-CB-NL	8 Zone Security Alarm Panel	December 2003
NX-8-CB-NO	8 Zone Security Alarm Panel	December 2003
NX-8-CB-OT-DK	8 Zone Security Alarm Panel	December 2003
NX-8-CB-PL	8 Zone Security Alarm Panel	December 2003
NX-8-CB-PT	8 Zone Security Alarm Panel	December 2003
NX-8-CB-RU	8 Zone Security Alarm Panel	December 2003
NX-8-CB-SE	8 Zone Security Alarm Panel	December 2003
NX-8-CB-TR	8 Zone Security Alarm Panel	December 2003
NX-8-CZ	8 Zone Security Alarm Panel	December 2003
NX-8-DK	8 Zone Security Alarm Panel	December 2003
NX-8E	8 Zone Security Alarm Panel	December 2003
NX-8E-BE	8 Zone Security Alarm Panel	December 2003
NX-8E-BO-FG-BE	8 Zone Security Alarm Panel	December 2003
NX-8E-BO-FG-IL	8 Zone Security Alarm Panel	December 2003
NX-8E-BO-FG-NL	8 Zone Security Alarm Panel	December 2003
NX-8E-BO-FG-PL	8 Zone Security Alarm Panel	December 2003
NX-8E-BO-FG-SE	8 Zone Security Alarm Panel	December 2003
NX-8E-CB	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-BE	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-CZ	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-DK	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-ES	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-FR	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-GR	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-IL	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-IT	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-LX	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-LXT	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-NL	8 Zone Security Alarm Panel	December 2003

Signature of representative/manufacturer:

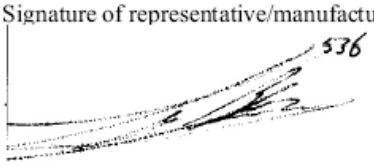


Raoul van Bergen
Manager Control & Communications GE Interlogix B.V.
Kelvinstraat 7
6003 DH Weert
The Netherlands

Place : Weert
Date : 29 April 2004

Product	Product Description	BOM Revision Date
NX-8E-CB-NO	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-PL	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-PT	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-RU	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-SE	8 Zone Security Alarm Panel	December 2003
NX-8E-CB-TR	8 Zone Security Alarm Panel	December 2003
NX-8E-CZ	8 Zone Security Alarm Panel	December 2003
NX-8E-DK	8 Zone Security Alarm Panel	December 2003
NX-8E-ES	8 Zone Security Alarm Panel	December 2003
NX-8E-FR	8 Zone Security Alarm Panel	December 2003
NX-8E-GR	8 Zone Security Alarm Panel	December 2003
NX-8E-IL	8 Zone Security Alarm Panel	December 2003
NX-8E-IT	8 Zone Security Alarm Panel	December 2003
NX-8E-LX	8 Zone Security Alarm Panel	December 2003
NX-8E-LX-IL	8 Zone Security Alarm Panel	December 2003
NX-8E-LXT	8 Zone Security Alarm Panel	December 2003
NX-8E-LXT-ES	8 Zone Security Alarm Panel	December 2003
NX-8E-LXT-SE	8 Zone Security Alarm Panel	December 2003
NX-8E-NL	8 Zone Security Alarm Panel	December 2003
NX-8E-NO	8 Zone Security Alarm Panel	December 2003
NX-8E-PL	8 Zone Security Alarm Panel	December 2003
NX-8E-PT	8 Zone Security Alarm Panel	December 2003
NX-8E-RU	8 Zone Security Alarm Panel	December 2003
NX-8-ES	8 Zone Security Alarm Panel	December 2003
NX-8E-SE	8 Zone Security Alarm Panel	December 2003
NX-8E-TR	8 Zone Security Alarm Panel	December 2003
NX-8-FR	8 Zone Security Alarm Panel	December 2003
NX-8-GR	8 Zone Security Alarm Panel	December 2003
NX-8-IL	8 Zone Security Alarm Panel	December 2003
NX-8-IT	8 Zone Security Alarm Panel	December 2003
NX-8-LR-ES	8 Zone Security Alarm Panel	December 2003
NX-8-LX	8 Zone Security Alarm Panel	December 2003
NX-8-LX-CZ	8 Zone Security Alarm Panel	December 2003
NX-8-LX-IL	8 Zone Security Alarm Panel	December 2003
NX-8-LX-IT	8 Zone Security Alarm Panel	December 2003
NX-8-LXR	8 Zone Security Alarm Panel	December 2003
NX-8-LXTR-ES	8 Zone Security Alarm Panel	December 2003
NX-8-LXTR-GR	8 Zone Security Alarm Panel	December 2003
NX-8-LXTR-IL	8 Zone Security Alarm Panel	December 2003
NX-8-LXTR-TR	8 Zone Security Alarm Panel	December 2003
NX-8-LXTR-UK	8 Zone Security Alarm Panel	December 2003
NX-8-LXT-UK	8 Zone Security Alarm Panel	December 2003
NX-8-NL	8 Zone Security Alarm Panel	December 2003
NX-8-NO	8 Zone Security Alarm Panel	December 2003
NX-8-OT-DK	8 Zone Security Alarm Panel	December 2003
NX-8-PL	8 Zone Security Alarm Panel	December 2003
NX-8-PT	8 Zone Security Alarm Panel	December 2003
NX-8-RU	8 Zone Security Alarm Panel	December 2003
NX-8-SE	8 Zone Security Alarm Panel	December 2003
NX-8-TR	8 Zone Security Alarm Panel	December 2003
NX-8-UK	8 Zone Security Alarm Panel	December 2003
NX-8-CB-LXR-GR	8 Zone Security Alarm Panel	December 2003
NX-8-LX-ZA	8 Zone Security Alarm Panel	December 2003
NX-8E-LX-ZA	8 Zone Security Alarm Panel	December 2003
TD300-E101D	35VA Altair Transformer	December 2003

Signature of representative/manufacturer:



Raoul van Bergen
Manager Control & Communications GE Interlogix B.V.
Kelvinstraat 7
6003 DH Weert
The Netherlands

Place : Weert
Date : 29 April 2004

www.gesecurity.com

EMEA Distribution is a division of GE Security EMEA bvba