GE
Security

NetworX™ Series

NX-1750 ProxPad

Installation manual

imagination at work

Symbol Legend

 **Warning**	Indicates a procedure, practice, condition, or statement that, if not strictly observed, could result in personal injury. * This symbol indicates electrical warnings and cautions.
 **Caution**	Indicates a procedure, practice, condition, or statement that, if not strictly observed, could result in damage to or destruction of equipment or property. ** This symbol indicates general warnings and cautions.
 **Note**	Indicates an essential or important procedure, instruction, condition, or statement.
 **Tip**	Indicates a user tip. Provides helpful information that is not normally defined in regular use, but from an experienced user.
 **Enter**	Indicates a key or button should be pressed to enter data.

CONTENTS

GENERAL DESCRIPTION

The NX-1750 ProxPad is the combination of a **prox**imity card reader and a key**pad**. The NX-1750 ProxPad allows to control an access door and to show the system status. The NX-1750 ProxPad can be added to the NetworX range of panels. The NX-1750 features include:

- microprocessor controlled door control module
- includes a flexible programmable changeover relay contact output, which can be used to control a door strike
- treated as a normal keypad
- up to 8 readers per partition
- can be programmed to control access in any or all partitions
- up to 3 scan functions (single beep, double beep and triple beep)
- LED's for indication of armed status, ready to arm status and alarm
- LED's for up to 8 zones status indication
- Fire alarm LED
- Spare terminal to support easy wiring of a door contact to the panel zone input
- Compatible with TAG1750 series of tags
- Tamper protection against opening and pry off.
- Wall or recess mounting, fits a standard electrical box.
- Removable screw terminals for easy wiring.

ORDERING INFORMATION

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

INSTALLATION AND WIRING

Connection Terminal

TERMINAL	DESCRIPTION
SPARE	Spare terminal to interconnect the panel zone input to a door contact.
RELAY NO	Relay output. The contact is normally open when the relay is not activated.
RELAY COM	Relay output. Common of the relay contact.
RELAY NC	Relay output. The contact is normally closed when the relay is not activated.
EGRESS	This is an optional **EGRESS** input. To use this feature, connect the normally open egress switch between this terminal and **COM**. If this feature is not used, there is no need to connect this wire.
DATA	Connect to the NetworX control panel **DATA** terminal. This wire is the data-signaling terminal to all the devices on the buss.
COM (0V)	Connect to the NetworX control panel **COMMON** terminal. This wire supplies the common side of the power to the ProxPad board.
POS (12V)	Connect to the NetworX control panel **AUX POWER +** terminal. This wire supplies power to the ProxPad board.

ENROLLING

The NetworX control panels have the ability to automatically find and store in memory the presence of all keypads, zone expanders, wireless receivers, output modules, and any other device on the keypad buss. This allows these devices to be supervised by the control panel. To enroll the devices, enter the Program Mode using the procedure outlined in the control panel Installation Manual. When the Program Mode is exited, the control panel will automatically enroll the devices. The enrolling process takes about 12 seconds. User codes will not be accepted during the enrolling process. Once a module is enrolled, if it is not detected by the control panel, a service condition (*2) will occur.

ADDRESSING

The ProxPad must be set to the correct address and partition number before it can be used on the system. The following describes the procedure for viewing and modifying the address of a ProxPad:

- Enter Program Mode using the procedure outlined in the control panel Installation Manual.
- Present and hold a card at the ProxPad until a chime is heard. The "Fire" ICON and "Armed" ICON will flash. The zone LED corresponding to the current ProxPad number will also be illuminated.
- Present a card briefly to advance the ProxPad number. If the ProxPad number is 8, presenting a card briefly will reset the ProxPad number back to 1.
- Continue presenting a card briefly until the desired ProxPad number is displayed.
- Present and hold a card at the ProxPad until a chime is heard. The "Armed" ICON will stop flashing and the "Ready" ICON will flash. The zone LED corresponding to the current ProxPad partition will also be illuminated.
- Present a card briefly as in steps 3 and 4 until the desired partition number is displayed.
- Present and hold a card at the ProxPad until a chime is heard. The "Fire" ICON and the "Ready" ICON will stop flashing and the display will return to normal operation.

The table below shows the addresses that will be set according to ProxPad number and partition

ProxPad#	Part1	Part2	Part3	Part4	Part5	Part6	Part7	Part8
1	192	193	194	195	196	197	198	199
2	200	201	202	203	204	205	206	207
3	208	209	210	211	212	213	214	215
4	216	217	218	219	220	221	222	223
5	224	225	226	227	228	229	230	231
6	232	233	234	235	236	237	238	239
7	240	241	242	243	244	245	246	247
8	248	249	250	251	252	253	254	255

When the Program Mode is exited, the control panel automatically enrolls the devices.

The enrolling process takes about 12 seconds during which time a service message appears on the LCD display. User codes are not accepted during the enrolling process. Once a module is enrolled and if not detected by the control panel, a service condition (*2) will occur.

When a new reader is added to a system using already installed readers it will be updated with the card information of the system by activating the card of an existing user. See *Activating a User*.

LED DESCRIPTIONS

Front view

ICON / LED		DESCRIPTION
(red)	ON	System armed
	OFF	System not armed
	Flashing	System in alarm
(green)	ON	System Ready to arm
	OFF	System Not Ready to arm
	Flashing	System Ready to Force arm
(red)	ON	Fire alarm
	OFF	Normal
	Flashing	Fire trouble
(green)	ON	Mains and battery ok
	OFF	Mains trouble
	Flashing	Battery trouble
Zone 1 .. 8 (green)	ON	Zone bypassed
	OFF	Normal
	Flashing slow	Zone in alarm / Zone open
	Flashing fast	Zone tamper

Note

In case of Fire, the "Fire" Icon will be ON and the NX-1750 buzzer will sound. Badging any valid card will silence the buzzer. To clear the "Fire" Icon indication, badge and hold the card in front of the reader. After the fourth beep, the "Fire" Iconwill be cleared.

Note

When the communication with the control panel fails, the "Fire" Icon will be flashing. Typically this is caused by a fault in the databus wiring, e.g. loose databus wire.

Note

When service is required (e.g. a system trouble condition exists), all four Icon's will flash once every 2.5 seconds.

PROGRAMMING

USING THE LED KEYPAD

Only NX-13xx keypad series allow to program user cards.

ACTION	RESULT
Entering the Program Mode	
☞ ✱ ❽	..... *Enters the Program Mode.* Stay, Chime, Exit, Bypass & Cancel *LEDS will flash.*
☞ [Go To Program Code] Factory Default is ❾❼❶❸	..... If the "Go To Program Code" is valid, the "Service" LED will flash and the 5 function LEDs will illuminate steady. You are now in the Program Mode and ready to select the module address.
Entering the Module Address	
☞ ❶❷❼ # (example only)	..... Enters the module address. Refer to the table on page 6 for the assigned address. The Armed LED will illuminate while it is waiting for a programming location to be entered.
Programming a 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.

To Enter a Location:

☞ [location] # ..... The Armed LED will flash. If the location is valid, the "Armed" LED will extinguish, the "Ready" LED will illuminate, and the zone LED's will show the data for the first segment of this location.

To Change Location Data:

☞ [changed data] ..... The "Ready" LED will flash to indicate a data change in process and will continue until the data is saved.

☞ ✱ ..... The new data is saved.
The keypad will increment and display the next segment's data.

NOTE: Repeat these steps until the last segment is reached.

To Exit a Location:

☞ # ..... Exits from this location. The "Ready" LED will extinguish. The "Armed" LED will illuminate waiting for a new programming location to be entered.

To Review The Data:

☞ [location] # ..... The Armed LED will flash. If the location is valid, the "Armed" LED will extinguish, the "Ready" LED will illuminate, and the zone LED's will show the data for the first segment of this location.

☞ ✱ ..... *(Do not enter data.)*
The next segment is displayed. Each time ✱ is pressed, the data of the next segment will be displayed for review.

Shortcuts:

☞  Previous location.

☞  Same location.

☞  Next sequential location.

Exiting the Program Mode:

☞ EXIT EXIT ..... Exits this programming level.

USING 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. In feature selection data, the numbers of the enabled features will be displayed. The features **not** enabled will display a hyphen (-).

PROGRAMMING DATA TYPES

Numerical Data
Numerical data can take on values from 0-255 or 0-15 depending on the segment size.
Feature Selection
Feature selection data is used to turn features on or off.

USER CARDS

Adding and de-activating users is done through a combination of entering information at the keypad and scanning cards. Before a card can be entered, one reader on the system must be programmed with User Card Programming enabled (Location 2, Segment 1, Option 1, page 14).

- It is recommended that only **one** reader on the system be enabled to modify user cards and that this reader be located near a keypad. This reader will transfer information to all other readers in the system once programming is finished.
- Adding/deleting user cards from a reader causes the code for the user number used to become invalid. It is necessary to re-enter user code 2 after programming cards.
- Only a master user can add or delete users.

Once a reader is enabled to modify users, it must be placed into one of the following five modes:

1) *Add One User*
2) *Add Multiple Users w/ Auto-Increment*
3) *Activate One User*
4) *De-Activate One User*
5) *Delete/Reset One User.*

Modifying users on a ProxPad is similar to modifying user codes at a keypad.

ACTION		RESULT
☞ ✱ ❺	•••••••••	Accesses Code Programming
☞ [master code] Factory Default is ❶❷❸❹	•••••••••	If the code is valid, the Ready LED will flash. User Number 2 is used to program user cards, so...
☞ ❶ ❷ if the control is an NX-8 ☞ ❶ ❶ ❷ if the control is an NX-8E	•••••••••	Unit is now ready for you to choose one of the User Card Programming modes (as if user code 2): **1)** *Add One User* **2)** *Add Multiple Users (w/ Auto-Increment)* **3)** *Activate Single User* **4)** *De-activate One User* **5)** *Delete / Reset One User*

Adding One User

ACTION		RESULT
☞ [STAY]	•••••••••	Accesses Activation mode
☞ [3-digit user number] Example: ❶ ❷ ❹ if 4-digit user code or ⓿ ⓿ ❶ ❷ ❹ if 6-digit user codes	•••••••••	If a valid user number is entered, LED1 on any enabled readers will begin to flash.
Scan the card designated for the user entered in the previous step.	•••••••••	1) If the user card is not already in the system, it will be added and mapped to the entered user number. The "Ready" ICON stops flashing. 2) If the card is already in the system, the reader will triple beep and "Ready" ICON will continue flashing; the user number is not incremented in this case.

Adding Multiple Users with Auto-Increment

ACTION		RESULT
☞ [CANCEL] on NX-148E; use [NIGHT] on NX-1248E	•••••••••	Accesses Activation mode
☞ [3-digit user number] Example: ❶ ❷ ❹ if 4-digit user code or ⓿ ⓿ ❶ ❷ ❹ if 6-digit user codes	•••••••••	If a valid user number is entered, LED1 on any enabled readers will begin to flash.
Scan the card designated for the user entered in the previous step.	•••••••••	1) If the user card is not already in the system, it will be added and mapped to the entered user number and the "Ready" ICON will continue flashing indicating that the next user card can be scanned for the next user number. 2) If the card is already in the system, the reader will triple beep and the "Ready" ICON will continue flashing; the user number is not incremented in this case.
Continue scanning user cards until the desired number of cards has been added.	•••••••••	After about 40 seconds without a card being scanned, all the readers in the system will be updated with the new user card information.

By default, user cards are added and activated. In order to add a user card and de-activate it at the same time, scan and hold the card to be added until two beeps are sounded at the reader.

Activate One User (Single User)

ACTION		RESULT
☞ [CHIME] (not available on NX-1248E)	.....	Accesses Activation mode
☞ [3-digit user number]	.....	If a valid user number is entered, the "Ready" ICON on any enabled readers will begin to flash.
Example: ❶ ❷ ❹ if 4-digit user code or ⓿ ⓿ ❶ ❷ ❹ if 6-digit user codes		
Scan any card.	.....	The card information for the user entered in the previous step will be activated, and the "Ready" ICON will stop flashing. After about 40 seconds, all the readers in the system will be updated.

De-Activate One User

ACTION		RESULT
☞ [BYPASS]	.....	Accesses De-activation mode
☞ [3-digit user number]	.....	If a valid user number is entered, LED1 on any enabled readers will begin to flash.
Example: ❶ ❷ ❹ if 4-digit user code or ⓿ ⓿ ❶ ❷ ❹ if 6-digit user codes		
Scan any card	.....	The card information for the user entered in the previous step will be cleared, and the "Ready" ICON will stop flashing. After about 40 seconds, all the readers in the system will be updated.

Delete / Reset One User

ACTION		RESULT
☞ [EXIT]	.....	Accesses De-activation mode
☞ [3-digit user number]	.....	If a valid user number is entered, the "Ready" ICON on any enabled readers will begin to flash.
Example: ❶ ❷ ❹ if 4-digit user code or ⓿ ⓿ ❶ ❷ ❹ if 6-digit user codes		
Scan any card	.....	The card information for the user entered in the previous step will be cleared, and the "Ready" ICON will stop flashing. After about 40 seconds, all the readers in the system will be updated.

ACTIVATING / DE-ACTIVATING / RESETTING USERS

If User Number 0 is entered, the desired function will be performed on the user associated with the card scanned.

PROGRAMMING LOCATIONS

Location 0 Programming the Scan Functions

(3 segments of binary data) Location 0 is used to select the particular function(s) that are activated when a card is scanned. More than one function may be selected. If more than one function is selected, they will execute in order from function 1 to function 8.

- Functions 1-6 will be performed based on the user's authority as programmed by the [✱] [**6**] function (refer to keypad user manual).

Segment 1 Single Beep Function

Program the functions that are performed when a card is scanned once. The buzzer will sound once.

LED1 - "On" to send Code Entry function to the control panel.
LED2 - "On" to activate the Armed Away mode.
LED3 - "On" to activate the Armed Stay mode.
LED4 - "On" to send the Disarm function to the control panel.
LED5 - "On" to send Auxiliary/Keyfob Function #1 to the control panel.
LED6 - "On" to send Auxiliary/Keyfob Function #2 to the control panel.
LED7 - "On" to broadcast an X-10 function (see Location 1 for programming).
LED8 - ***"On" to send a Request To Exit (RTE); and activate the onboard relay output. (Default is "On")*** Location 3, Segment 2 must be programmed with a valid zone number for the RTE to be sent.

Segment 2 Double Beep Function

Program the functions that are performed when a card is scanned and held at the reader for the duration of the Scan time. The buzzer will sound twice. Location 4, Segment 1 programs the length of time between beeps. The descriptions of the options are the same as for Single Beep Function. Default is **8.**

Segment 3 Triple Beep Function

Program the functions that are performed when a card is scanned and held at the reader for the duration of 2 times the Scan time. The buzzer will sound three times. Location 4, Segment 1 programs the length of time between beeps. The descriptions of the options are the same as for Single Beep Function. Default is **8.**

Location 1 Programming the X-10 Address for the Scan Functions

(5 segments of numerical data)

Segment 1

Program a number from 0 -15 to represent the corresponding X-10 ***Module Number*** from the following table. Default is **0**.

Module	***1***	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Seg 1	***0***	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Segment 2
Program a number from 0-15 to represent the corresponding X-10 ***House code*** from the following table. Default is **0**.

X-10 ADDRESS CODES			
0=A	4=E	8=I	12=M
1=B	5=F	9=J	13=N
2=C	6=G	10=K	14=O
3=D	7=H	11=L	15=P

Segment 3 Single Beep Function

Program the X-10 function that is performed when a card is scanned once (one beep). This location only needs to be programmed if Location 0, Segment 1, Option 7 is set. Use the following table. Default is **2**.

Function #	Function performed	Function #	Function performed
0	All units off	4	Dim
1	All lights on	5	Bright
2	***On***	6	All lights off
3	Off	All others	Reserved

Segment 4 Double Beep Function

Program the X-10 function that is performed when a card is scanned and held at the reader for the duration of the Scan time (two beeps). Location 4, Segment 1 programs the length of time between beeps. The descriptions of the function codes are the same as for Single Beep Function. This location only needs to be programmed if Location 0, Segment 2, Option 7 is set. Use the above table. Default is **3**.

Segment 5 Triple Beep Function

Program the X-10 function that is performed when a card is scanned and held at the reader for the duration of 2 times the Scan time (three beeps). Location 4, Segment 1 programs the length of time between beeps. The descriptions of the function codes are the same as for Single Beep Function. This location only needs to be programmed if Location 0, Segment 3, Option 7 is set. Use the above table. Default is **2.**

Location 2 Programming the Reader option

(4 segments of binary data)

Segment 1 System Options:

LED1 - "On" if reader is enabled for User Card Programming.
LED2 - "On" if tamper is enabled.
LED3 - ***"On" if reader buzzer is to follow typical keypad buzzing. (Default is "On")***
LED4 - ***"On" if ding-dong chime enabled (dependent on both Option 3 and chime being enabled).***
LED5 - "On" if an RTE from a scanned card is to be logged as Code Entry.
LED6 - "On" if an RTE from a zone or the Egress input is to be logged as Code Entry.
LED7 - Reserved
LED8 - Reserved

Segment 2 System Options (cont'd):

LED1 - Reserved.
LED2 - Bypass Hide. When system is armed, all bypassed zone LED's will be off.
LED3 - Reserved.
LED4 - Reserved.
LED5 - Reserved.
LED6 - Reserved
LED7 - Reserved
LED8 - Reserved

Segment 3 Enabling the Schedules for the Onboard Relay Output:

LED1 - ***"On" if output follows Schedule 1.***
LED2 - ***"On" if output follows Schedule 2.***
LED3 - ***"On" if output follows Schedule 3.***
LED4 - ***"On" if output follows Schedule 4.***
LED5 - ***"On" if output follows Schedule 5.***
LED6 - ***"On" if output follows Schedule 6.***
LED7 - ***"On" if output follows Schedule 7.***
LED8 - ***"On" if output follows Schedule 8.***

Segment 4 Door Options

LED1 - "On" if locking mechanism is a Maglock or Drop Bolt.
LED2 - "On" if access is allowed regardless of Armed status of the system.
LED3 - "On" if the door is not to be latched unlocked during an open schedule.
LED4 - "On" if onboard relay output only triggers during an open schedule.
LED5 - "On" if onboard relay output only triggers during a close schedule.
LED6 - "On" if Forced Entry Alarm is logged.
LED7 - "On" if access allowed without an RTE.
LED8 - "On" if the Egress input is to be disabled when the NX-1750 partition is armed.

Segment 5 Door Options (cont'd):

LED1 - "On" when relay option is inverted
LED2 - "On" will disable relay operation when the NX-1750 partition is disarmed.
LED3 - Reserved.
LED4 - Reserved.
LED5 - Reserved.
LED6 - Reserved
LED7 - Reserved
LED8 - Reserved

Maglock/Drop Bolt

When a door zone is programmed and this option is checked, then the relay output uses the different kind of logic for setting the lock. To prevent a door from slamming shut due to a maglock or from not getting shut at all with a premature lock of a drop bolt, the reader monitors the door zone and waits for the door to be shut for a couple of seconds before activating the lock. Therefore, this option is to be set when controlling a maglock or drop bolt. Loc.3, Seg.1 must be programmed for this option to work.

No Unlock Latch

This is used in conjunction with scheduling and controlling a door lock via the relay output. If this option is NOT selected and scheduling is enabled then the door will remain unlocked after the first unlock within an open schedule and will relock upon closing. If this option is selected, then the door will not remain unlocked, but will follow the programmed relay driver time.

Location 3 Programming the Zones

(3 segments of numerical data)

Segment 1 Door Shunt Zone

Program the zone that will be monitored as a door for access control. This location must be programmed with a valid zone for monitored access control functions to work properly. (Default is **0**)

✍ Additionally, this zone must be configured in the control panel as an "access control" zone by programming an unused Zone Type Characteristic in locations 111-169 (Seg 4, Opt 4).

Segment 2 Request To Exit (RTE) Zone

Program the zone that will be monitored to signal an RTE. If this segment is programmed with a valid zone and the zone is faulted, the reader will activate its onboard relay output and send the RTE. (Default is **0**)

✍ Additionally, this zone must be configured in the control panel as an RTE zone by programming an unused Zone Type Characteristic in locations 111-169 (Seg 4, Opt 3).

Segment 3 Zone start number

Program the systems starting zone number for this ProxPad. Default value is 1 which sets it to show the zone status of up to the first 8 zones of the partition that this ProxPad is programmed to. The starting zone can be any zone number within the range of the control panel.

✍ When the starting zone number is set above the last zone of the system, the zone indication LED's will remain OFF.

Location 4 Programming the Various Reader Timers

(4 segment of numerical data)

Segment 1 Scan Time

Enter the amount of time required to hold a card between beeps to activate the functions programmed in Location 0, Segments 2 and 3. This timer is timed in 1/100-second increments from 0 to 2.55 seconds. (Default is **100** = 1 second).

Segment 2 Relay Active Time

Enter the amount of time the onboard relay output is energized once activated. This timer is timed in 1/10 second increments from 0 to 25.5 seconds. (Default is **10** = 10 seconds).

Segment 3 Door Fault Warning Time

Enter the amount of time a monitored zone (see Location 3, Segment 1) must be faulted before sounding a warning (local buzzer). The door fault warning is timed in 1-second increments from 0 to 255 seconds. (Default is **30** = 30 seconds).

Segment 4 Door Fault Alarm Time

Enter the amount of time a monitored zone (see Location 3, Segment 1) must be faulted before sending an alarm condition to the control panel. The door fault alarm is timed in 1-second increments from 0 to 255 seconds. (Default is **60** = 60 seconds).

Location 5 Programming the Opening Time for Schedule 1

(2 segments of numerical data)

Segment 1 Program the hour of the opening time in 24-hour format. (Default is **8** = 8:00 AM)
Segment 2 Program the minutes after the hour of the opening time for Schedule 1. (Default is **0**)

Location 6 Programming the Closing Time for Schedule 1

(2 segments of numerical data)
Segment 1 Program the hour of the closing time in 24-hour format. (Default is **20** = 8:00 PM)
Segment 2 Program the minutes after the hour of the closing time for Schedule 1. (Default is **0**)

Location 7 Programming the Days for Schedule 1

(1 segment of binary data)

LED1 = "On" if schedule is active on Sunday.
LED2 = ***"On" if schedule is active on Monday.***
LED3 = ***"On" if schedule is active on Tuesday.***
LED4 = ***"On" if schedule is active on Wednesday.***
LED5 = ***"On" if schedule is active on Thursday.***
LED6 = ***"On" if schedule is active on Friday.***
LED7 = "On" if schedule is active on Saturday.
LED8 = "On" if schedule is disabled on holidays.

Locations 8-28 Programming the Schedules 2 - 8

Locations 8 – 28 are used to program the opening times, closing times, and days for Schedules 2 - 8. Each schedule has three locations that are programmed with the same steps as Schedule 1 described previously. Refer to Schedule 1 (Location 5) for specific instructions.

Location 8 – Opening Time for Schedule 2
Location 9 – Closing Time for Schedule 2
Location 10 – Days for Schedule 2
Location 11 – Opening Time for Schedule 3
Location 12 – Closing Time for Schedule 3
Location 13 – Days for Schedule 3
Location 14 – Opening Time for Schedule 4
Location 15 – Closing Time for Schedule 4
Location 16 – Days for Schedule 4
Location 17 – Opening Time for Schedule 5
Location 18 – Closing Time for Schedule 5
Location 19 – Days for Schedule 5
Location 20 – Opening Time for Schedule 6
Location 21 – Closing Time for Schedule 6
Location 22 – Days for Schedule 6
Location 23 – Opening Time for Schedule 7
Location 24 – Closing Time for Schedule 7
Location 25 – Days for Schedule 7
Location 26 – Opening Time for Schedule 8
Location 27 – Closing Time for Schedule 8
Location 28 – Days for Schedule 8

Location 29 Programming the Date of Holidays in January

(8 segments of numerical data) Program the day of the month in January that the Opening time in a schedule is suppressed. For example, if the opening should not occur on January 1, program a "1" in Segment 1. This feature can be repeated up to a maximum of 8 holidays per location (month). (Default is **No holidays**)

Locations 30-40 Programming the Date of Holidays from February to December

(8 segments of numerical data) Locations 30 - 40 are used to program the day of each month, from February to December, in which the Opening time in a schedule is suppressed. Each location will accommodate up to a maximum of 8 holidays, and programmed with the same steps as Location 271 described previously.

Location 30 – February holidays
Location 31 – March holidays
Location 32 – April holidays
Location 33 – May holidays
Location 34 – June holidays
Location 35 – July holidays
Location 36 – August holidays
Location 37 – September holidays
Location 38 – October holidays
Location 39 – November holidays
Location 40 – December holidays

Location 41 Programming Activation Data for User Cards 1 through 120

(15 segments of binary data)

This location is used to select which user cards 1 through 120 are activated. If the LED is "on", the card is active. Each segment has 8 LEDs corresponding to the 8 possible user cards. Example: Segment 4, LED 2 indicates that user card 26 is active.

Segment 1	User Cards 1 - 8	**Segment 9**	User Cards 65 - 72
Segment 2	User Cards 9 - 16	**Segment 10**	User Cards 73 - 80
Segment 3	User Cards 17 - 24	**Segment 11**	User Cards 81 - 88
Segment 4	User Cards 25 - 32	**Segment 12**	User Cards 89 - 96
Segment 5	User Cards 33 - 40	**Segment 13**	User Cards 97 - 104
Segment 6	User Cards 41 - 48	**Segment 14**	User Cards 105 - 112
Segment 7	User Cards 49 - 56	**Segment 15**	User Cards 113 - 120
Segment 8	User Cards 57 - 64		

LED1 = Card 1
LED2 = Card 2
LED3 = Card 3
LED4 = Card 4
LED5 = Card 5
LED6 = Card 6
LED7 = Card 7
LED8 = Card 8

Location 42 Programming Activation Data for User Cards 121 through 240

(15 segments of binary data)

This location is used to select which user cards 121 through 240 are activated. If the LED is "on", the card is active. Each segment has 8 LEDs corresponding to the 8 possible user cards. Example: Segment 15, LED 8 indicates that user card 240 is active.

Segment 1	User Cards 121 - 128	**Segment 9**	User Cards 185 - 192
Segment 2	User Cards 129 - 136	**Segment 10**	User Cards 193 - 200
Segment 3	User Cards 137 - 144	**Segment 11**	User Cards 201 - 208
Segment 4	User Cards 145 - 152	**Segment 12**	User Cards 209 - 216
Segment 5	User Cards 153 - 160	**Segment 13**	User Cards 217 - 224
Segment 6	User Cards 161 - 168	**Segment 14**	User Cards 225 - 232
Segment 7	User Cards 169 – 176	**Segment 15**	User Cards 233 - 240
Segment 8	User Cards 177 - 184		

LED1 = Card 1
LED2 = Card 2
LED3 = Card 3
LED4 = Card 4
LED5 = Card 5
LED6 = Card 6
LED7 = Card 7
LED8 = Card 8

NX-1750 PROGRAMMING WORKSHEETS

(Factory defaults are in ***bold italic*** text)

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
0	13	SCAN FUNCTIONS		
		Seg 1 SINGLE BEEP FUNCTION	***8***	
		1 = "On" to send Code Entry function to the control panel. 2 = "On" to activate the Armed Away mode. 3 = "On" to activate the Armed Stay mode. 4 = "On" to send the Disarm function to the control panel. 5 = "On" to send Auxiliary Function #1 to the control panel. 6 = "On" to send Auxiliary Function #2 to the control panel. 7 = "On" to broadcast an X-10 function (Loc 241 for programming). 8 = ***"On" to send an RTE; and activate the onboard relay output.***		
		Seg 2 DOUBLE BEEP FUNCTION	***8***	
		1 = "On" to send Code Entry function to the control panel. 2 = "On" to activate the Armed Away mode. 3 = "On" to activate the Armed Stay mode. 4 = "On" to send the Disarm function to the control panel. 5 = "On" to send Auxiliary Function #1 to the control panel. 6 = "On" to send Auxiliary Function #2 to the control panel. 7 = "On" to broadcast an X-10 function (Loc 241 for programming). 8 = ***"On" to send an RTE; and activate the onboard relay output.***		
		Seg 3 TRIPLE BEEP FUNCTION	***8***	
		1 = "On" to send Code Entry function to the control panel. 2 = "On" to activate the Armed Away mode. 3 = "On" to activate the Armed Stay mode. 4 = "On" to send the Disarm function to the control panel. 5 = "On" to send Auxiliary Function #1 to the control panel. 6 = "On" to send Auxiliary Function #2 to the control panel. 7 = "On" to broadcast an X-10 function (Loc 241 for programming). 8 = ***"On" to send an RTE; and activate the onboard relay output.***		
1	13	X-10 ADDRESS		
		Seg 1 MODULE NUMBER	***0***	
		Seg 2 HOUSE CODE (see chart)	***0***	
		Seg 3 SINGLE BEEP FUNCTION	***2***	
		0 = All units off 1 = All lights on 2 = ***On*** 3 = Off 4 = Dim 5 = Bright 6 = All lights off		

X-10 ADDRESS CODES			
0=A	4=E	8=I	12=M
1=B	5=F	9=J	13=N
2=C	6=G	10=K	14=O
3=D	7=H	11=L	15=P

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
1	13	Seg 4 DOUBLE BEEP FUNCTION 0 = All units off 1 = All lights on 2 = On 3 = ***Off*** 4 = Dim 5 = Bright 6 = All lights off	***3***	
		Seg 5 TRIPLE BEEP FUNCTION 0 = All units off 1 = All lights on 2 = ***On*** 3 = Off 4 = Dim 5 = Bright 6 = All lights off	***2***	
2	14	READER OPTIONS		
		Seg 1 SYSTEM OPTIONS 1 = "On" if enabled for User Card Programming 2 = "On" if optical tamper enabled 3 = ***"On" if buzzer follows keypad buzzing*** 4 = ***"On" if ding-dong chime enabled (Opt 3 & chime must be enabled)*** 5 = "On" if an RTE from a scanned card is to be logged as Code Entry 6 = "On" if an RTE from a zone or the Egress input is to be logged as Code Entry. 7 = Reserved 8 = Reserved	***3, 4***	
		Seg 2 SYSTEM OPTIONS 1 = Reserved 2 = Bypass Hide. When system is armed, all bypassed zone LED's will be OFF 3 = Reserved 4 = Reserved 5 = Reserved 6 = Reserved 7 = Reserved 8 = Reserved	***0***	
		Seg 3 SCHEDULES FOR RELAY OUTPUT 1 = ***"On" if relay output follows Schedule 1.*** 2 = ***"On" if relay output follows Schedule 2.*** 3 = ***"On" if relay output follows Schedule 3.*** 4 = ***"On" if relay output follows Schedule 4.*** 5 = ***"On" if relay output follows Schedule 5.*** 6 = ***"On" if relay output follows Schedule 6.*** 7 = ***"On" if relay output follows Schedule 7.*** 8 = ***"On" if relay output follows Schedule 8.***	***1, 2, 3, 4, 5, 6, 7, 8***	

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
2	14	Seg 4 DOOR OPTIONS	***0***	
		1 = "On" if locking mechanism is a Maglock or Drop Bolt. 2 = "On" if access is allowed regardless of Armed status of the system. 3 = "On" if the door is not to be latched unlocked during an open schedule. 4 = "On" if onboard open collector output only triggers during an open schedule. 5 = "On" if onboard open collector output only triggers during a close schedule. 6 = "On" if Forced Entry Alarm is logged. 7 = "On" if access allowed without an RTE. 8 = "On" if the Egress input is to be disabled if the ProxPad partition is disarmed		
		Seg 5 DOOR OPTIONS	***0***	
		1 = "On" when relay operation is inverted 2 = Disable relay operation when the ProxPad partition is disarmed 3 = Reserved 4 = Reserved 5 = Reserved 6 = Reserved 7 = Reserved 8 = Reserved		
3	16	PROGRAMMING THE ZONES		
		Seg 1 Door Shunt Zone	***0 = Disabled***	
		Seg 2 Request to Exit (RTE) Zone	***0 = Disabled***	
		Seg 3 Zone Start number	***1 = Zone 1***	
4	16	READER TIMES		
		Seg 1 Scan Time (1/100 seconds)	***100 = 1 second***	
		Seg 2 Relay Active Time (seconds)	***10 = 10 seconds***	
		Seg 3 Door Fault Warning Time (seconds)	***30 = 30 seconds***	
		Seg 4 Door Fault Alarm Time (seconds)	***60 = 60 seconds***	
5	16	OPENING TIME FOR SCHEDULE 1		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
6	17	CLOSING TIME FOR SCHEDULE 1		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	
7	17	DAYS FOR SCHEDULE 1 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
8	17	OPENING TIME FOR SCHEDULE 2		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
9	17	CLOSING TIME FOR SCHEDULE 2		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
10	17	DAYS FOR SCHEDULE 2 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
11	17	OPENING TIME FOR SCHEDULE 3		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
12	17	CLOSING TIME FOR SCHEDULE 3		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	
13	17	DAYS FOR SCHEDULE 3 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
14	17	OPENING TIME FOR SCHEDULE 4		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
15	17	CLOSING TIME FOR SCHEDULE 4		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	
16	17	DAYS FOR SCHEDULE 4 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
17	17	OPENING TIME FOR SCHEDULE 5		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
18	17	CLOSING TIME FOR SCHEDULE 5		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
19	17	DAYS FOR SCHEDULE 5 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
20	17	OPENING TIME FOR SCHEDULE 6		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
21	17	CLOSING TIME FOR SCHEDULE 6		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	
22	17	DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
23	17	OPENING TIME FOR SCHEDULE 7		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
24	17	CLOSING TIME FOR SCHEDULE 7		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	
25	17	DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
26	17	OPENING TIME FOR SCHEDULE 8		
		Seg 1 Hour of Opening Time (24-hr format)	***8 = 8 AM***	
		Seg 2 Minutes after Hour of Opening	***0***	
27	17	CLOSING TIME FOR SCHEDULE 8		
		Seg 1 Hour of Closing Time (24-hr format)	***20 = 8 PM***	
		Seg 2 Minutes after Hour of Closing	***0***	

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
28	17	DAYS FOR SCHEDULE 8 1 = "On" if schedule is active on Sunday. 2 = ***"On" if schedule is active on Monday.*** 3 = ***"On" if schedule is active on Tuesday.*** 4 = ***"On" if schedule is active on Wednesday.*** 5 = ***"On" if schedule is active on Thursday.*** 6 = ***"On" if schedule is active on Friday.*** 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.		
29	17	HOLIDAYS IN JANUARY (8 max)	***No holidays***	_ _ _ _ _ _ _ _
30	17	HOLIDAYS IN FEBRUARY (8 max)	***No holidays***	_ _ _ _ _ _ _ _
31	17	HOLIDAYS IN MARCH (8 max)	***No holidays***	_ _ _ _ _ _ _ _
32	17	HOLIDAYS IN APRIL (8 max)	***No holidays***	_ _ _ _ _ _ _ _
33	17	HOLIDAYS IN MAY (8 max)	***No holidays***	_ _ _ _ _ _ _ _
34	17	HOLIDAYS IN JUNE (8 max)	***No holidays***	_ _ _ _ _ _ _ _
35	17	HOLIDAYS IN JULY (8 max)	***No holidays***	_ _ _ _ _ _ _ _
36	17	HOLIDAYS IN AUGUST (8 max)	***No holidays***	_ _ _ _ _ _ _ _
37	17	HOLIDAYS IN SEPTEMBER (8 max)	***No holidays***	_ _ _ _ _ _ _ _
38	17	HOLIDAYS IN OCTOBER (8 max)	***No holidays***	_ _ _ _ _ _ _ _
39	17	HOLIDAYS IN NOVEMBER (8 max)	***No holidays***	_ _ _ _ _ _ _ _
40	17	HOLIDAYS IN DECEMBER (8 max)	***No holidays***	_ _ _ _ _ _ _ _
41	18	ACTIVATION DATA FOR USER CARDS 1 - 120 1 = User Cards 1 – 8 2 = User Cards 9 – 16 3 = User Cards 17 – 24 4 = User Cards 25 – 32 5 = User Cards 33 – 40 6 = User Cards 41 – 48 7 = User Cards 49 – 56 8 = User Cards 57 – 64 9 = User Cards 65 – 72 10 = User Cards 73 – 80 11 = User Cards 81 – 88 12 = User Cards 89 – 96 13 = User Cards 97 – 104 14 = User Cards 105 – 112 15 = User Cards 113 – 120	LED1 = Card 1 LED2 = Card 2 LED3 = Card 3 LED4 = Card 4 LED5 = Card 5 LED6 = Card 6 LED7 = Card 7 LED8 = Card 8	

LOC	PG	DESCRIPTION	DEFAULT	YOUR DATA
42	18	ACTIVATION DATA FOR USER CARDS 121 - 240		
		1 = User Cards 121 – 128 2 = User Cards 129 – 136 3 = User Cards 137 – 144 4 = User Cards 145 – 152 5 = User Cards 153 – 160 6 = User Cards 161 – 168 7 = User Cards 169 – 176 8 = User Cards 177 – 184 9 = User Cards 185 – 192 10 = User Cards 193 – 200 11 = User Cards 201 – 208 12 = User Cards 209 – 216 13 = User Cards 217 – 224 14 = User Cards 225 – 232 15 = User Cards 233 – 240	LED1 = Card 1 LED2 = Card 2 LED3 = Card 3 LED4 = Card 4 LED5 = Card 5 LED6 = Card 6 LED7 = Card 7 LED8 = Card 8	

TECHNICAL SPECIFICATIONS

Technical specifications NX-1750

Power supply voltage	10.5 - 14Vdc supplied by keypad bus
Current consumption	
- Nominal	30mA
- Maximum	120mA
Relay contact rating	1A/24Vdc resistive load
Operating temperature	0 - 49° C
Humidity	Max 93% non condensating
Dimensions WxHxD	Approx. 80 x 80 x 15 mm
Weight	55g

Approved in / Permis en / Toegestaan in / Permesso in					
	Austria	X	Iceland	X	Norway
X	Belgium	X	Ireland	X	Portugal
X	Denmark	X	Italy	X	Spain
X	Finland		Liechtenstein	X	Sweden
X	France	X	Luxembourg		Switzerland
X	Germany	X	Netherlands	X	United Kingdom
	Greece				

www.gesecurity.com

EMEA Distribution is a division of GE Security EMEA bvba