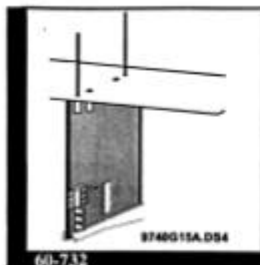


NetworX NX Series Receiver Modules

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Installation Instructions

Product Summary

The NX-Series Receiver Modules (8-zone NX-408, 16-zone NX-416, and 48-zone NX-448) add wireless capabilities to the Caddx® NetworX NX-8 control panel. Adding a receiver module makes NX-8 control panels compatible with NX wireless transmitters and keychain touchpads (keyfobs).

The receiver modules mount inside the NX-8 cabinet and require just three wire connections for power and data communications to the NX-8 motherboard.

Installation Guidelines

Use the following guidelines when installing receiver modules:

- Leave at least 10" above the control panel for the module's antennas.
- Avoid areas that are likely to expose the module to moisture.
- Avoid areas with excessive metal or electrical wiring, including furnace and utility rooms.

Installing the Receiver Module

The following steps describe mounting the circuit board edge guide standoff, securing the module to the cabinet, and inserting the antennas.

CAUTION: You must be free of static electricity before handling circuit boards. Touch a bare metal surface or wear a grounding strap to discharge yourself.



- 1) After mounting the NX-8 cabinet, install the ground plane screws, washers, and nuts (included) in the holes on top of the cabinet (see Figure 1).

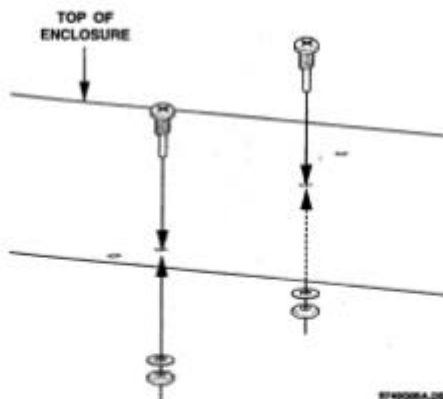


Figure 1. Installing the Ground Plane Screws, Washers, and Nuts

- 2) Install the circuit board edge guide standoff in the lower mounting hole, in either of the two spaces located just to the left of the NX-8 motherboard (see Figure 2). Do not tighten the standoff at this time.

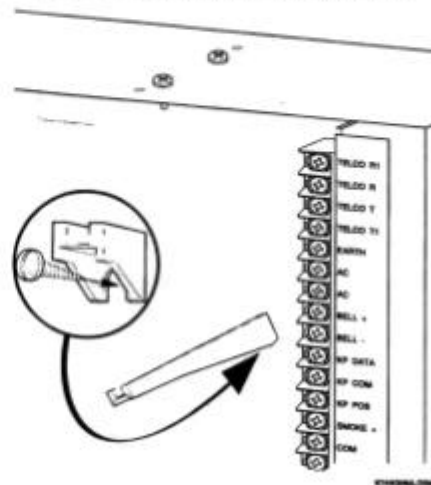


Figure 2. Installing the Circuit Board Edge Guide Standoff

- 3) Install the module into the cabinet by turning the standoff sideways, then slide the module up onto the ground plane screw posts (see Figure 3).

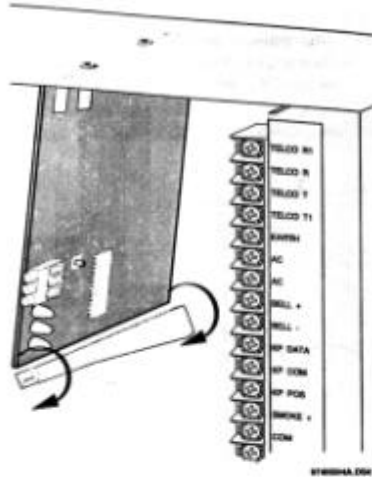


Figure 3. Installing the Module into the Cabinet

- 4) Turn the standoff so the slot is facing up, insert the back corner of the module into the standoff slot, then press up at the front of the standoff and tighten the standoff screw.
- 5) Insert the antennas through the holes on top of the cabinet and into the module antenna sockets (see Figure 4).

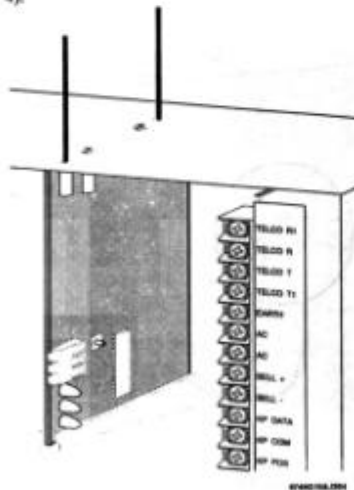


Figure 4. Inserting the Antennas

Wiring, Module Number DIP Switch Settings, and Power Up

The following steps describe wiring the module to the NX-8, setting the module number DIP switches, and powering up the NX-8.

- 1) Remove power (if applied) from the NX-8 control panel.

CAUTION: To avoid possible equipment damage or personal injury, remove power from the NX-8 control panel before making any wiring connections to the module.

- 2) Connect the module power and data terminals to the NX-8 power and data terminals using 22-gauge or larger, stranded wire (see Figure 5).

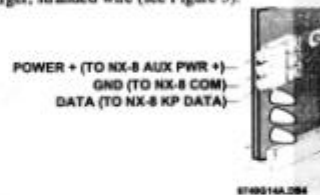


Figure 5. Wiring the Module Power and Data Terminals to the NX-8 Power and Data Terminals

- 3) Set the module DIP switches to the desired module number (see Table 1).

Table 1. NX Module Number Settings

Module Number 32 	Module Number 33
Module Number 34 	Module Number 35

- 4) If using a NX-408 or NX-416, set DIP switch 3 to enable zone blocks for transmitter learning as follows:
OFF = zones 9-16 or 9-24 enabled for learning
ON = zones 1-8 or 1-16 enabled for learning

- 5) Apply power to the NX-8. The middle (red) LED on the module should start blinking. Table 2 describes the module's status based on LED conditions.

Table 2. Module Status Conditions

LED	Module Status
Red-blinking	Normal data communication with NX-8.
Red-off	No data communication with NX-8. Check wiring and power source.
Green-blinking	Receiving radio signals from Learn Mode wireless sensors.
Green-off	No radio signals currently being received.

Note: The red LED at the bottom of the module may emit a dim glow but is not used as an indicator and can be ignored.

Programming

This section describes the following programming steps:

- **Determine Programming Settings**—provides tables to record wireless transmitter and partition settings.
- **Enroll the Module**—sets up the module to be supervised by the NX-8 control panel.
- **Program the Module**—puts the module into program so you can program transmitters and enter the settings for transmitters and partitions.

Determine Transmitter Settings

When programming wireless transmitters into the module, there are various options and partitions you can set for each transmitter. These settings appear in segments of each programming location.

Check the desired boxes in the programming worksheet table (Table 3) on pages 4 through 8 to determine the option and partition settings for each transmitter zone. This gives you all the programming information in one place and helps speed up the programming process.

Note: The default settings shown for Segments 1 and 2 in Location 1 (Zone 1) apply to all zone locations 1 through 48.

Special Settings for Door/Window Transmitters and Wireless Smoke Detectors

Use the following guidelines when setting features 3 and 4 for door/window transmitters and wireless smoke detectors.

■ Feature 3—Input Option 1

For door/window transmitters, turn on this feature to disable the transmitter's internal reed switches.

For wireless smoke detectors with tamper switches, turn on this feature to enable the tamper feature.

Note: Feature 3—Input Option 1, must be off (disabled) when using wireless smoke detectors without tamper switches.

■ Feature 4—Input Option 2

For door/window transmitters that use a normally open external contact, leave this feature off (N/O).

For door/window transmitters that use a normally closed external contact, turn this feature on (N/C).

Table 3. Module Programming Worksheet Table

Location	Segment 1	Segment 2
0 (Supervision)	1 - Normal ____ hrs. (0 - 255 hours; default = 24 hours)	Fire ____ hrs. (0 - 255 hours; default = 4 hours)
1 (Zone 1) Assigned to module # ____.	1 - Enable sensor ☐ (default = off) 2 - Supervised ☐ (default = on) 3 - Input option 1 ☐ (default = off) 4 - Input option 2 ☐ (default = off) 5 - Xmitter not lost* ☐ (default = off) 6 - Low battery* ☐ (default = off) 7 - Last signal good* ☐ (default = off) 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ (default = on) Partition 2 keyfob ☐ (default = off) Partition 3 keyfob ☐ (default = off) Partition 4 keyfob ☐ (default = off) Partition 5 keyfob ☐ (default = off) Partition 6 keyfob ☐ (default = off) Partition 7 keyfob ☐ (default = off) Partition 8 keyfob ☐ (default = off)
2 (Zone 2) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
3 (Zone 3) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
4 (Zone 4) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
5 (Zone 5) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
6 (Zone 6) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
7 (Zone 7) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
8 (Zone 8) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
9 (Zone 9) Assigned to module # ____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
10 (Zone 10) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
11 (Zone 11) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
12 (Zone 12) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
13 (Zone 13) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
14 (Zone 14) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
15 (Zone 15) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
16 (Zone 16) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
17 (Zone 17) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
18 (Zone 18) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
19 (Zone 19) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
20 (Zone 20) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
21 (Zone 21) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
22 (Zone 22) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
23 (Zone 23) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
24 (Zone 24) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
25 (Zone 25) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
26 (Zone 26) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
27 (Zone 27) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
28 (Zone 28) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
29 (Zone 29) Assigned to module # _____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
30 (Zone 30) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
31 (Zone 31) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
32 (Zone 32) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
33 (Zone 33) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
34 (Zone 34) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
35 (Zone 35) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
36 (Zone 36) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
37 (Zone 37) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
38 (Zone 38) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
39 (Zone 39) Assigned to module #_____.	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
40 (Zone 40) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
41 (Zone 41) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
42 (Zone 42) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
43 (Zone 43) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
44 (Zone 44) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐

Table 3. Module Programming Worksheet Table
(cont.)

Location	Segment 1	Segment 2
45 (Zone 45) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
46 (Zone 46) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
47 (Zone 47) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
48 (Zone 48) Assigned to module #_____	1 - Enable sensor ☐ 2 - Supervised ☐ 3 - Input option 1 ☐ 4 - Input option 2 ☐ 5 - Xmitter not lost* ☐ 6 - Low battery* ☐ 7 - Last signal good* ☐ 8 - Not used* (*Read only location)	Partition 1 keyfob ☐ Partition 2 keyfob ☐ Partition 3 keyfob ☐ Partition 4 keyfob ☐ Partition 5 keyfob ☐ Partition 6 keyfob ☐ Partition 7 keyfob ☐ Partition 8 keyfob ☐
49 (Trans- mitter to be programmed)	None	None

Table 3. Module Programming Worksheet Table (cont.)

Location	Segment 1
50 (All default off)	1 - Keyfob user ID ☐ (off = all keyfobs report as user 99; on = keyfob reports as its learned zone) 2 - Enable jam detect ☐ 3 - Enable antenna tamper (Only selectable on International versions, reports as <i>box tamper</i>) ☐ 4 - Enable auto advance to next zone number ☐ 5 - Enable partition 1 audible programming beeps ☐ 6-8 Not used
51 (Default = 0)	Starting zone number for receiver 0 = 1* (default) ☐ 1 = 9 ☐ 2 = 17 ☐ 3 = 25 ☐ 4 = 33 ☐ 5 = 41 ☐ (* When set to 0, the starting zone number is determined by DIP switch 3 setting.)

Enroll the Module

The following steps describe how to enroll and program the module to be supervised by the NX-8.

- 1) With power applied and the system disarmed, enter [*] [8] at the keypad. The five function lights should start flashing.
- 2) Enter the "Go To Program Code" (factory default is 9 7 1 3). The service light should flash and the five function lights should change from flashing to on steady.
- 3) Enter [0] [#], where [0] is the NX-8 control panel number and [#] is the entry key. The Armed LED should turn on, indicating the control panel is waiting for a programming location entry.
- 4) Enter [9] [1] [5] [#] to enroll the module for supervision. The keypad sounder should beep three times indicating the NX-8 has accepted the enrolling request.
- 5) Exit program mode by entering [EXIT] [EXIT]. The Service LED on the NX-8 turns on, indicating the con-

trol panel is enrolling the module. After about 12 seconds, the service LED should turn off.

Program the Module

The following steps describe how to get the module into program mode, load factory defaults if installing a new system, and program transmitters into memory.

Programming Guidelines

- When a transmitter is learned into memory, the module claims a block of eight zones around that number (1-8, 9-16, 17-24, etc.). For example, learning a transmitter into zone 13 automatically claims the zone block of 9 through 16. Only wireless transmitters can now be assigned to these zones.
- Do not learn wireless transmitters into a zone block claimed by a hardwire expander or the panel.
- If two modules are installed, they cannot share the same zone block. For example, wireless transmitters learned into zones 11 and 12 must reside in one module.

Fill in Table 4 to help keep track of zone block module assignments. Be sure to circle the module type; RM = receiver module, HE = hardwire expander, P = panel.

Table 4. Zone Block Module Assignments

Zone Block	Assigned To Module
1 - 8	RM HE P # _____
9 - 16	RM HE P # _____
17 - 24	RM HE P # _____
25 - 32	RM HE P # _____
33 - 40	RM HE P # _____
41 - 48	RM HE P # _____

To program the module:

- 1) Enter [*] [8] at the keypad. The five function lights should start flashing.
- 2) Enter the "Go To Program Code" (factory default is 9 7 1 3). The service light should flash and the five function lights should change from flashing to on steady.
- 3) Enter [XX] [#], where [XX] is the DIP switch setting module number and [#] is the entry key. The Armed LED should turn on, indicating the control panel is waiting for a programming location entry.
- 4) For new installations, enter [9] [1] [0] [#] to load factory defaults and clear any unwanted information in memory before any further programming.

- 5) Enter [4] [9] [#] to enter the sensor learning location. The Ready LED should turn on and the Armed LED should turn off.
- 6) Enter [XX] [*], where [XX] is a zone number (1 through 48) and [*] is the entry key.

Note: Three beeps from the keypad indicates an entry error. This occurs if you enter a transmitter number that is not within the module's zone block or if you try learning a sensor that is already learned into the module.

If you change your mind about your entry, you can terminate programming by entering [4] [9] [#] [0] [*]. Then, start again from step 5.

- 7) Trip the desired transmitter (within 250 seconds) as described in Table 5. Listen for the 'ding dong' for confirmation.

Table 5. Tripping Transmitters for Learning

Transmitter	Action
Door/Window, Shock, Glass Guard, Freeze	Activate tamper switch by removing cover.
Door/Window with External Contact	Activate tamper switch by removing cover. (Note: Feature 3—Input Option 1, must be on.)
Recessed Door/Window	Activate tamper switch by removing circuit board until tamper switch is exposed.
Micro Door/Window	Slide the battery about half-way out of the battery holder, then back.
PIR	Activate tamper switch by removing back plate from PIR.
Smoke Detector	Press and hold the test button.
Heat Detector	Press, then release the tamper switch.
Fire Pull	Activate tamper switch by removing sensor cover.
Single Button Panic	Press and hold the button.
Dual Button Panic	Press and hold both buttons together.

Table 5. Tripping Transmitters for Learning

Transmitter	Action
Keyfobs	Press and hold the arm and disarm buttons together.
Repeater	Press, then release the tamper switch.

- 8) Program remaining transmitters by repeating steps 5-7.
- 9) Exit program mode by entering [EXIT] [EXIT].

Program Transmitter and Partition Settings

This section describes programming guidelines, how to change the supervision windows, and program the transmitter and partition settings using the information you entered in the Table 3 programming worksheets.

Changing the Transmitter Supervision Windows

Note: For UL Listed installations, the normal supervision window must be set to 24 hours and the fire supervision window must be set to 4 hours.

CAUTION: Do not set the normal or fire supervision windows to 1 hour. This causes false trouble reports from all learned wireless transmitters.

- 1) Enter [*] [8] at the keypad. The five function lights should start flashing.
- 2) Enter the "Go To Program Code" (factory default is 9 7 1 3). The service light should flash and the five function lights should change from flashing to on steady.
- 3) Enter [XX] [#], where [XX] is the DIP switch setting module number and [#] is the entry key. The Armed LED should turn on, indicating the control panel is waiting for a programming location entry.
- 4) Enter [0] [#] to enter location 0, segment 1.
- 5) Enter the new normal supervision time (0 - 255).

Note: Choosing 0 sets the normal supervision window to 256 hours.

- 6) Press [*] to save any changes and automatically enter segment 2.
- 7) Enter the new fire supervision time (0 - 255).

Note: Choosing 0 sets the fire supervision window to 256 hours.