



POWER SERIES NEO TECHNICAL TRAINING MANUAL

PROGRAMMING NAVIGATION:

The Neo series provides the ability to program all system features from a keypad. This section provides an overview of programming navigation, types of programming sections, viewing programming and programming modification for all system keypads

INSTALLER PROGRAMMING:

OPERATION:

STEP 1 – ENTER [*][8] + [INSTALLER CODE] (DEFAULT = 5555)

STEP 2 – ENTER 3-DIGIT PROGRAMMING SECTION

REASONS FOR NOT BEING ABLE TO ENTER PROGRAMMING:

LONG TONE AFTER [*][8] ON LED OR ICON KEYPAD/'FUNCTION NOT AVAILABLE' ON CUSTOM LCD:

This would indicate that 1 or more partitions are armed. The system must be fully disarmed before entering programming (unless programming section [020] option 3 is enabled).

LONG TONE AFTER ENTERING [*][8]+[INSTALLER CODE]:

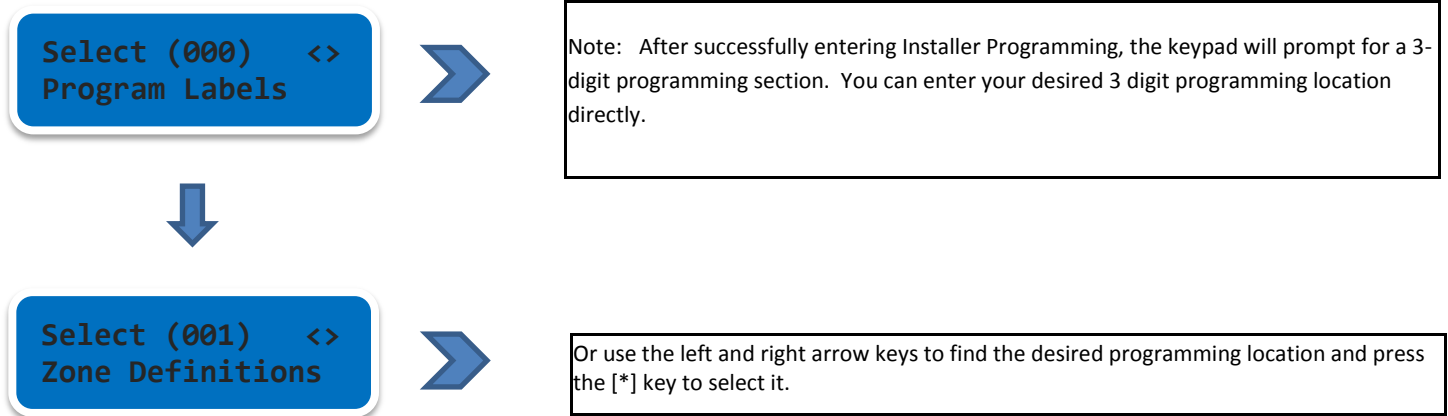
This indicates that the correct Installer Code has not been entered

PROGRAMMING NAVIGATION:

KEYPAD DISPLAY AFTER ENTERING PROGRAMMING:

After entering Installer Programming the following will be displayed on the keypad:

Enter Installer's programming mode: [*][8][Installer's Code]



If the above is not displayed, this is an indication that Installer Programming was not successfully entered:

- Possible incorrect Installer Code
- System is armed

KEYPAD DISPLAY AFTER ENTERING A PROGRAMMING SECTION:

Programming sections consist of a 3-digit number. There is no specific order when programming, any of the available programming sections may be entered after successfully entering Installer Programming.

When a 3-digit programming section has been entered, the keypad will display as follows:

- Programming data or toggles (shows current programmed value(s))
- 'Armed' LED Flashing

KEYPAD DISPLAY AFTER ENTERING A PROGRAMMING SUB-SECTION:

Programming sub-sections also consist of a 3-digit number. Each programming section may have one or more sub-sections.

When a 3-digit programming sub-section has been entered, the keypad will display as follows:

- Programming data or toggles (shows current programmed value(s))
- 'Ready' LED Solid

PROGRAMMING SECTION TYPES:

There are two types of programming sections:

- Toggle Sections
- Data Sections

TOGGLE OPTION SECTIONS:

OVERVIEW:

Toggle programming sections provide the ability to enable and disable specific programming options

After entering a toggle programming section, the keypad will automatically display the options ON or OFF

KEYPAD DISPLAY AFTER ENTERING A TOGGLE PROGRAMMING SECTION

- 'Ready' LED Solid
- Option number ON/OFF, number displayed = option ON. Dash = option is OFF

CHANGING TOGGLE OPTIONS:

To adjust a toggle option, press the number key corresponding toggle option number (01-08). Each time the number is pressed, the option will toggle between enable and disable

EXIT A TOGGLE SECTION:

After making the necessary changes, press [#] to exit

The keypad will return to prompting for another 3-digit section number

DATA SECTIONS:**OVERVIEW:**

Data programming sections provide the ability to program specific values of information based on the programming section. Some sections provide chart to select from for specific changes and some are not fixed in the information programmed

KEYPAD DISPLAY AFTER ENTERING A DATA PROGRAMMING SECTION

- 'Ready' LED Solid
- Programming data and current programmed value/selection

PROGRAMMING DATA CHANGES

When making changes to data programming sections, the keypad will automatically be placed at the first digit of data.

Zone Definitions are an example of a data program section, Section [001]. This section is used to modify the operation of zones.

Zone Type**001 Zone Type**

001-128 Zone Types (000)

000 – Null Zone
 001 – Delay 1
 002 – Delay 2
 003 – Instant
 004 – Interior
 005 – Interior Stay/Away
 006 – Delay Stay/Away
 007 – Delayed 24-Hour Fire
 008 – Standard 24-Hour Fire
 009 – Instant Stay/Away
 010 – Interior Delay
 011 – Day Zone
 012 – Night Zone
 017 – 24-Hour Burglary
 018 – 24-Hour Bell/Buzzer
 023 – 24-Hour Supervisory
 024 – 24-Hour Supervisory
 Buzzer
 025 – Auto Verify Fire
 027 – Fire Supervisory
 040 – 24-Hour Gas
 041 – 24-Hour CO
 042 – 24-Hour Holdup
 043 – 24-Hour Panic
 045 – 24-Hour Heat
 046 – 24-Hour Medical*
 047 – 24-Hour Emergency
 048 – 24-Hour Sprinkler
 049 – 24-Hour Flood
 051 – 24-Hour Latching Tamper
 052 – 24-Hour Non-Alarm
 056 – 24-Hour High
 Temperature
 057 – 24 Hour Low Temperature

A chart is provided to indicate the available zone definitions.

This section consists of a 3 digit selection per zone.

When this section is first entered, select the 3 digit zone number you want to program from [001] to [128]

Enter the zone type (definition) for the specified zone (or use the arrow keys to select the desired zone type and press [*]), the keypad will then automatically move to the next zone. This format will continue through the remaining portion of the programming section

EXIT A DATA SECTION:

A data programming section may exit either by:

- Completing all entries or
- Press [#]

REVIEWING DATA:

OVERVIEW:

Once information has been programmed into a data programming section, it is possible to review this information at a later time by pressing [#] to exit (or completing all values in that data programming section), re-enter the programming section and use the right arrow key [>] to scroll through the programmed values. HS2LCD style keypads will display the entire data, however HS2ICN and HS2LED keypads will display the data 1 digit at a time and in binary where:

Displayed Digit	Data Value
• Blank	0
• 1	1
• 2	2
• 1 & 2	3
• 3	4
• 1 & 3	5
• 2 & 3	6
• 1 & 2 & 3	7
• 4	8
• 1 & 4	9
• 2 & 4	10 (or hex value "A")
• 1 & 2 & 4	11 (or hex value "B")
• 3 & 4	12 (or hex value "C")
• 1 & 3 & 4	13 (or hex value "D")
• 2 & 3 & 4	14 (or hex value "E")
• 1 & 2 & 3 & 4	15 (or hex value "F")

Displayed Digit = what the ICN or LED keypad displays for a digit of data

Data Value = what the real programmed value is

HEX PROGRAMMING:

A number of programming sections allow for HEX data.

To enter HEX data, perform the following:

STEP 1 – ENTER A SECTION THAT ALLOWS FOR HEX DATA ENTRIES

STEP 2 – PRESS [*] TO ENTER HEX PROGRAMMING, THE 'READY' LED WILL FLASH TO INDICATE THAT HEX PROGRAMMING HAS BEEN ENTERED

STEP 3 – ENTER THE REQUIRED HEX DATA WHERE:

- 1 = A
- 2 = B
- 3 = C
- 4 = D
- 5 = E
- 6 = F

STEP 4 – PRESS [*] TO EXIT HEX PROGRAMMING, THE 'READY' LED WILL RETURN TO SOLID

EXIT INSTALLER PROGRAMMING:

TO EXIT INSTALLER PROGRAMMING, PRESS [#] WHEN THE KEYPAD IS PROMPTING FOR A 3-DIGIT PROGRAMMING SECTION.

EXAMPLE:

If the value of 'B1' needs to be entered:

➔ [*][2][*][1]

For "C9" enter:

➔ [*][3][*][9]

For "AB" enter:

➔ [*][1][2] note this is equivalent to typing [*][1][*][*][2][*]