

PowerSeries – Programming Keypad Zones

Panels:

PC5020 (Power864)

Overview:

Each 'Z' version keypad has a zone input terminal. This zone input can be used as any zone on the system, from 1 through 64. If the keypad zone is assigned a zone number that is present on the main panel, it will replace the existing zone and the zone on the main panel will be disabled.

Programming keypad zones is a four-step process:

- Assign the keypad to a slot number
- Program a definition for the zone
- Assign the zone to the keypad slot
- Assign the zone to the partition

Program Sections:

Section [000], [0]	Keypad Assignment
Section [001] – [004]	Zones 1 to 64 Definitions
Section [020]	Keypad Zone Assignment
Section [202] – [265]	Partition Assignment – Zones 1 to 64

Step 1 – Keypad Assignment

To use keypad zones, each keypad must be assigned to its own slot (1 to 8). To assign a keypad to a specific slot, perform the following:

Enter [*][8] [Installer's Code]	Enter Installer's Programming
Enter [000]	Enter Keypad Assignment Section
Enter [0]	Enter Partition and Slot Assignment Section

Enter a two-digit number. The first digit is the partition the keypad will be assigned to, [0] for global operation, [1] through [8] for partition 1 to 8 respectively. The second digit is the slot the keypad will be assigned to (1 to 8).

Note: DO NOT assign more than one keypad to the same slot.

Note: If LCD5500Z keypads are being used, one keypad must be assigned to slot [8] for downloading purposes.

Step 2 – Keypad Zone Definition

Zones must be defined before they will operate. Depending on the control panel being used, approximately 30 different zone definitions are available. Enter Section [001] – [004] and program the 2-digit number corresponding to the required zone definition for each zone.

Section [001] – Zones 1 to 16
Section [002] – Zones 17 to 32
Section [003] – Zones 33 to 48
Section [004] – Zones 49 to 64

Step 3 – Keypad Zone Assignment

This Section is used to program which zone will be assigned to which keypad slot. Program the two-digit zone number that will be assigned to the keypad in the corresponding slot. Enter data [00] if no keypad is assigned to the slot # or if the zone input on the keypad will not be used.

For example:

An installation has three LCD keypads, assigned to slot [1], [2] and [8] (at least one LCD must be assigned to slot [8] for downloading purposes), to be used as zones 6, 7 and 8 respectively.

Program section [020] with the following data:

Keypad Slot #1 [06]	Keypad Slot #5 [00]
Keypad Slot #2 [07]	Keypad Slot #6 [00]
Keypad Slot #3 [00]	Keypad Slot #7 [00]
Keypad Slot #4 [00]	Keypad Slot #8 [08]

Note: Keypad zones cannot be assigned zone numbers that are already assigned to a PC5108 hardwire zone expander.

Step 4 – Partition Zone Assignment

Zones will not function until they are enabled. Ensure that all zones being used are enabled.

Section [202] – Section [209]	Partition 1 Zone Assignments – Zones 1 to 64
Section [210] – Section [217]	Partition 2 Zone Assignments – Zones 1 to 64
Section [218] – Section [225]	Partition 3 Zone Assignments – Zones 1 to 64
Section [226] – Section [233]	Partition 4 Zone Assignments – Zones 1 to 64
Section [234] – Section [241]	Partition 5 Zone Assignments – Zones 1 to 64
Section [242] – Section [249]	Partition 6 Zone Assignments – Zones 1 to 64
Section [250] – Section [257]	Partition 7 Zone Assignments – Zones 1 to 64
Section [258] – Section [265]	Partition 8 Zone Assignments – Zones 1 to 64

Note: If the keypad zone is being assigned to Partition 2 – 8, ensure the partition is enabled in Section [201].

Technical Tips:

1. Keypad zones will use the same EOL resistor option as the panel (normally closed or single end of line resistors).
2. Keypad zones do not support double EOL resistors (exception – RF5501-433 v5.0).
3. If a powered detector is being connected to a keypad zone, use RED and BLACK of the KEYBUS connection for power.
4. Keypad zones cannot be assigned zone numbers that are already assigned to a PC5108 hardwire zone expander.
5. A keypad zone will immediately go into alarm when the panel is armed if more than one keypad is assigned to the same slot.

Quick Test:

Violate the keypad zone and ensure it is displayed on the keypad.