Application Notes

DSC

1.6 Cross Zoning – Power Series *(PC1616/1832/1864 V4.2)*

Panels:

POWER SERIES (PC1616/1832/1864 V4.2)

Overview:

Cross Zoning is used for Burglary Verification. This feature requires two or more trip on a zone(s) as "Cross Zones" within a specific time before starting an alarm sequence.

When a zone with the Cross Zoning Attribute Enabled is violated, nothing occurs on the local premise and the Cross Zoning Timer commences. If another zone with the cross zoning attribute enabled is violated before the timer expires, the panel will transmit the first alarm signal, a cross zone event followed by the second zone alarm, and begins the appropriate local alarm sequence. If no other zones are violated before the timer expires, no alarm sequence occurs and an "Alarm Not Verified" even is logged and transmitted.

If "Double Hit" Feature is enabled, the panel will react on two violations of the same zone during the Cross Zone Timer for starting an alarm sequence.

Programming Cross Zoning has three-step process (four if Double Hit is required):

- Programming the "Cross Zone" zone attributes
- Enable the Cross Zone feature
- Programming the Cross Zone Timer *(Optional)*
- Enable the Double Hit option *(Optional)*

Program Sections:

Section [101] – [164]	Zone Attributes
Section [018] Option 6 On	Cross Zone Option
Section [176]	Cross Zone Timer *(Optional)*
Section [017] Option 4 On	Double Hit Option *(Optional)*

Step 1 – Zone Attributes

The panel must be told which zones are included in the Cross Zoning feature. Turn Option [9] ON for all Cross Zoning zones in Sections [101] to [164].

The two sets of attributes (1-8 and 9-16) may be toggled by pressing '9' within any zone's attribute section. If the Ready LED is on, the keypad is indicating Zone Attribute 1-8; if the Ready AND Armed LED's are on, the keypad is indicating Zone Attribute 9-16.

Step 2 – Cross Zoning Option

To enable Cross Zoning, turn Option [6] ON in Section [018].

Step 3 (Optional) – Cross Zoning Timer

Two "Cross Zoning" zones need to enter alarm within the Cross Zone Timer's (seconds) duration before the panel will go into the appropriate alarm sequence and will communicate both zone alarms. If two zones do not enter alarm within the Cross Zone Timer duration, the panel will only communicate the "Burg not Verified" signal to central station.

Program the Cross Zoning Timer in Section [176]. The Default is 060 seconds.

Step 4 (Optional) – Double Hit Option

To enable Double hit turn Option [4] ON in Section [017].

Quick Test:

Arm the partition and violate one Cross Zoning zone. Ensure the panel does not enter into alarm. Violate a second Cross Zoning zone. Ensure the panel starts the alarm sequence.