Application Notes

DSC

1.27 Two-Wire Smoke Detectors *(PC1616/1832/1864 V4.2)*

Panels:

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

Overview:

Two-wire smoke detectors use PGM2 of the main control panel and therefore do not take up a zone.

Programming two-wire smoke detectors is a three-step process:

- Program the PGM2 for two-wire smoke support
- Wire the two-wire smoke detector

Program Sections:

[009]   PGM Output Programming

Step 1 – Program PGM2

In Section [009], program PGM2 as data [04] (*two-wire smoke support*).

Step 2 – Wiring Two-wire Smoke Detectors

Connect the two-wire smoke detector to Aux+ (+) and PGM2 (-). Connect additional two-wire smoke detectors daisy chained from the previous one. At the last smoke detector, connect a 2.2K-Ohm resistor across the (+) and (-) terminals.

Technical Tips:

1. Do not connect heat detectors to PGM2. They must be connected to a zone input.
2. To reset two-smoke detectors, press [*] [7] [2] (*or the RESET function key*). The panel will remove power from PGM2 for five (5) seconds.

Quick Test:

Create an alarm on a two-wire smoke detector. Verify the siren activates and the panel reports the two-wire smoke or auxiliary input alarm found in Section [329].