



Technical Advisory

PowerSeries V4.62 'Fire Alarm Bells Silenced' Message

Date: April 28, 2020
Product: PowerSeries Control Panels
Region: NA
Brand: Tyco | DSC



Background

This bulletin is to inform you of the required programming step on PowerSeries Control Panels with firmware version 4.62, which have hardwired fire zones connected. V4.62 was recently released to make the PowerSeries line of control panels compatible with the UL985 6th Edition regulation that came into effect in November 2019.

Status

PowerSeries V4.62 panels that include hardwired fire zones connected to zones 1-8 on the control panel, zones 9-64 on zone expanders, or keypad zones must have the option for system End-of-Line Resistors, [013][Toggle 1] set to OFF, to set the system for Single-End-of-Line resistors.

If this is set for Normally Closed Loops, [013][Toggle 1] set to ON, fire zones connected to zones 1-8 on the panel or 9-64 on zone expanders, or keypad zones will cause the '**Fire Alarm Bells Silenced**' message to become stuck on the keypad.

If the system cannot be set for Single-End-of-Line resistors, an alternate programming method is to add hardwired fire zones to Zones 1-8 on the panel, or Zones 1-8 assigned to keypad zones, and set the Single-End-of-Line attribute to ON for each of those zones. This can be set in section [1XX], where XX is the zone number. To turn on Single-End-of-Line resistors, enable Toggle 15 in the appropriate section.

If you have systems already installed in the field with hardwired fire zones and the system is set for normally closed loops, the installation must be modified to ensure that the '**Fire Alarm Bells Silenced**' message does not become stuck when there is a fire alarm.

There are two ways that the already installed system can be corrected.

1. Change the system end-of-line setting to single-end-of-line, [013][Toggle 1 OFF] and add 5.6kΩ resistors to all zones.
2. Move all hardwired fire zones to be wired to zones 1-8 on the main control panel and enable option 15 in the zone attributes section for each fire zone in sections [101-108]. This way, you can keep the system end-of-line setting in [013] set to Normally Closed loops and will not need to add resistors to any non-fire zones.

Product	Affected Date Range
PC1616 V4.62	Nov. 28, 2019, and newer
PC1832 V4.62	
PC1864 V4.62	

For help identifying the date of manufacture of any units in your stock, please refer to our [Date of Manufacture Identification Page](#).

Instructions for systems with a stuck 'Fire Bells Silenced' message

If you have a system in the field that has a stuck '**Fire Alarm Bells Silenced**' message, it can be cleared by changing the end-of-line resistor setting in section [013] to single end-

of-line by setting toggle 1 to OFF. Note that after doing this, you will need to either leave the system configured for single end-of-line and make the associated resistor value changes on all of your zones, or leave the system set to normally closed loops, move your fire zones to Zones 1-8, and set toggle option 15 for each zone to ON to make the zones single end-of-line.

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