

SMARTER

IMPROVED PROTECTION FOR THE THINGS YOU CAN'T PUT A PRICE ON

High-value areas require a superior fire control panel that performs when called upon (and not a second before). The fully programmable AUTOPULSE® Z-10 detection and control system provides conventional fire alarm control circuits and is equipped to handle multiple hazard, suppression release applications. Newly redesigned, the AUTOPULSE Z-10 system provides advantages and functionality to meet a wider range of customer applications and requirements.

The AUTOPULSE Z-10 control panel is designed to be a cost effective solution for special hazard systems or sprinkler control applications. Specifically, this single panel can now simultaneously control both types of systems providing primary hazard protection with sprinkler system backup.

With the ease of programming and installation that the AUTOPULSE Z-10 panel offers, your customer's system will be up and running quickly. All aspects of programming can be accomplished from the display. To archive how the AUTOPULSE Z-10 system was programmed, use an AUTOPULSE Z-10 specific programming cable and a computer with a terminal emulation program, such as HyperTerminal. You can also view and print the last 50 events from the history and set the date and time stamp.

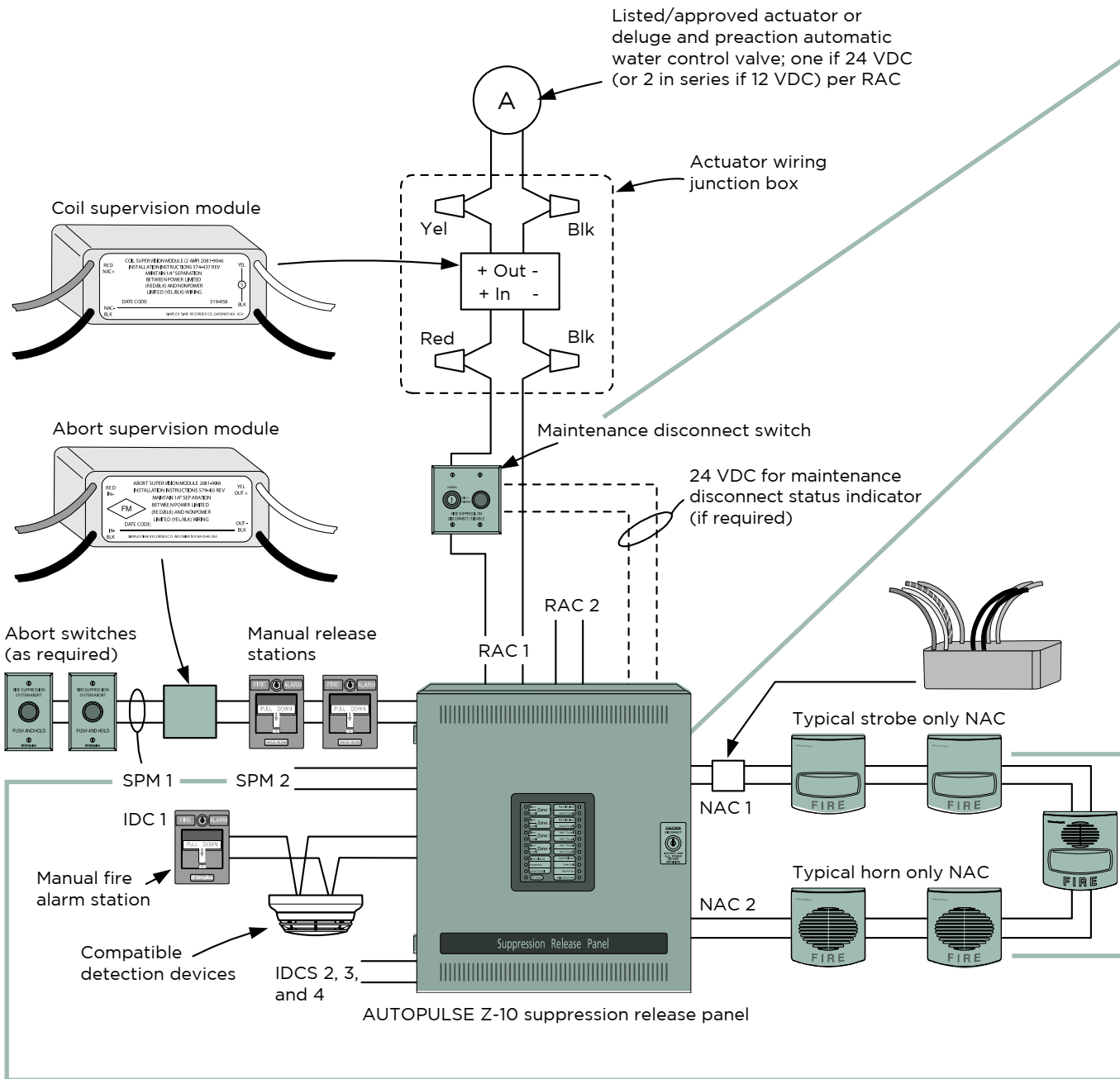
The release and alarm notification stages of the control panel are provided through intuitive audible escalation or by using distinctive bell, horn, and strobe signals. Depending on the application, the AUTOPULSE Z-10 panel is capable of protecting either a single hazard or dual hazard areas.

EASY PROGRAMMING ■ FLEXIBLE RELEASE OPTIONS

HISTORY LOG ■ UL 864, 9TH EDITION ■ FM APPROVED

MEA APPROVED ■ UL LISTED ■ CSFM LISTED

A FIRE ALARM CONTROL PANEL WITH BRAINS ... AND GUTS



General Wiring Note: Wiring shown is for reference only. Refer to specific installation instructions for detailed wiring information.

KEY BENEFITS OF THE AUTOPULSE Z-10 PANEL

13 Pre-Programmed Applications

- 5-Agent Release
- 4-Preaction/Deluge
- 2-Agent Release & Pre-Action (1 RAC for Agent & 1 RAC for Pre-Action/Deluge)
- 2-Agent Release with Bell/Horn/Strobe NAC outputs (only one release circuit)

Flexible Options

- Manual Release Delay 0-30 sec. (5-sec. increments)
- Automatic Release Delay 0-60 sec. (5-sec. increments)
- Abort Delay —5 Selectable Options (no delay, 10-sec. delay, restore original delay, IRI, and NYC Operation)
- RAC Cutout (soak) Timer —14 Selectable Options (no cutout, cutout at 45 sec., 1, 3, 3.5, 4, 5, 6, 7, 21, 25, 34, 44, or 64 min.)
- Class A, Class B, and Style C, IDC Operation
- Up to 11 Relays for Multiple Auxiliary Control Functions (3 on-board and 4 per auxiliary relay card)
- 50 Event History Log w/Electronic Retrieval
- 1 Model for 120VAC and 240VAC

Agency Listings

- UL 864, 9th Edition
- ULC S527
- CSFM Listed
- FM Approved
- MEA Approved
- Compatible with All FM Water Control Valves

Accessories and Options

- 2-Circuit Class A Adapter Module (4 max)
 - For use with IDCs, SPMs, and NACs
 - RACs Always Class B
- 4-Circuit Auxiliary Relay Card w/Disconnect (2 max)
 - Relays Rated for 7A @ 120VAC or 5A @ 30VDC
 - 2 Contacts per Relay
 - Each Contact is Selectable for Normally Open or Normally Closed Operation

Key Maintenance Switch Operations

Due to changes required within UL 864, 9th Edition, which took effect December 31, 2008, a supervisory condition will be initiated with the AUTOPULSE Z-10 panel* when using either the Surface Mount Key Maintenance Switch (P/N 433937) or the Flush Mount Key Maintenance Switch (P/N 433936).

Universal

The AUTOPULSE Z-10 system has the versatility to handle 120VAC or 240VAC input (Auto-Select), all from one panel. The AUTOPULSE Z-10 system has 750 mA max of auxiliary Resettable & Non-Resettable 24VDC power. Also with a full compliment of detectors, 12 Amp-Hour batteries are adequate for up to 90 hours** of stand-by.

Audible Escalation of Events

Single Audible Appliance Tone: Stage 1 activates Temporal or 20 bpm March Time pattern; Stage 2 activates 120 bpm March Time pattern to indicate release timer active; Release activates ON Steady to indicate when release timer expires and actuator activated.

Dual Audible Appliance Control* (Single Hazard): RAC 2 provides a third NAC for dedicated Stage 1 Bell Control; NACs 1 & 2 indicate release as ON Steady

Special Purpose Monitoring

Depending on which Pre-Programmed Application is selected, the SPM circuits can be configured as an Abort circuit, Manual Release circuit, Supervisory circuit, Waterflow circuit, or even a Combination Abort and Manual Release circuit with addition of the Abort Supervision Module.



*Requires software revision 4.01 or higher

**Depends on auxiliary 24VDC load

ENHANCEMENTS TO THE AUTOPULSE Z-10 RELEASING PANEL

APPLICATION 10

Agent Release and Preaction/Deluge, Single Hazard, Cross-Zoned

IDC1	Detector Circuit 1 (cross-zoned)
IDC2	Detector Circuit 2 (cross-zoned)
IDC3	Waterflow Alarm (does not cause RAC activation)
IDC4	Supervisory Alert
SPM1	Combined Abort / Manual Release Circuit
SPM2	Pressure Switch Alarm (does not cause RAC activation)
NAC1	ON Steady with any Alarm
NAC2	Increasing Cadence, Steady On Release (Supervisory Alert optional)
RAC1	Activates when Release Timer Expires
RAC2	Activates on Confirmed Alarm (manual release or cross-zoned detectors)

APPLICATION 12

Agent Release, Single Hazard, Cross-Zoned, Bell/Horn/Strobe

IDC1	Detector Circuit 1 (cross-zoned)
IDC2	Detector Circuit 2 (cross-zoned)
IDC3	Pressure Switch Alarm (does not cause RAC activation)
IDC4	Supervisory Alert
SPM1	Abort
SPM2	Manual Release
NAC1	STROBE - ON Steady when Release Timer Expires or Pressure Switch Alarm
NAC2	HORN - Cadence on Confirmed Alarm, ON Steady when Release Timer Expires or Pressure Switch Alarm (Supervisory Alert optional)
NAC3	BELL (uses RAC2) - ON Steady on 1st Detector Alarm, OFF on Confirmed Alarm
RAC1	Activates when Release Timer Expires

APPLICATION 11

Agent Release and Preaction/Deluge, Single Hazard

IDC1	Detector Circuit 1 (not cross-zoned)
IDC2	Detector Circuit 2 (not cross-zoned)
IDC3	Waterflow Alarm (does not cause RAC activation)
IDC4	Supervisory Alert
SPM1	Combined Abort / Manual Release Circuit
SPM2	Pressure Switch Alarm (does not cause RAC activation)
NAC1	ON Steady with any Alarm
NAC2	Increasing Cadence, ON Steady on Release (Supervisory Alert optional)
RAC1	Activates when Release Timer Expires
RAC2	Activates on 1st Detector or Manual Release Alarm

APPLICATION 13

Agent Release, Single Hazard, Bell/Horn/Strobe

IDC1	Detector Circuit 1 (not cross-zoned)
IDC2	Detector Circuit 2 (not cross-zoned)
IDC3	Pressure Switch Alarm (does not cause RAC activation)
IDC4	Supervisory Alert
SPM1	Abort
SPM2	Manual Release
NAC1	STROBE - ON Steady when Release Timer Expires or Pressure Switch Alarm
NAC2	HORN - Cadence on 1st Detector Alarm, ON Steady when Release Timer Expires or Pressure Switch Alarm (Supervisory Alert optional)
NAC3	BELL (uses RAC2) - ON Steady on 1st Alarm and Release Timer Running, OFF on Release
RAC1	Activates when Release Timer Expires



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