

# 2320 Fire/Suppression Control Panel

Effective: June 2004

## FENWAL®

30-051

### FEATURES

- Microprocessor Based
- Multiple Abort/Releasing Modes
- 14 Status Indicating LEDs
- 5 Diagnostic LEDs
- Programmable Alarm Relay
- Single or Dual Solenoid Release
- Initiator Release
- Programmable Delays
- Programmable Release Circuit Isolate
- Programmable Cross Zone Operation
- 24 Hour Trouble Resound
- Supervised Abort, Manual Release and Supervisory Circuits
- Transient and Noise Protection
- Listings: UL, FM, ULC, MEA, CSFM

### DESCRIPTION

The 2320 is a low cost control panel that supervises and controls one fire suppression hazard. Microprocessor technology enhances reliability and field programmable versatility. The control unit is compatible with Fenwal FM-200® clean agent suppression systems. It meets requirements of NFPA 72 and—in addition to extensive listings—is approved for use in suppression systems covered by NFPA codes: 12, 12A, 17, 17A and 2001.

The control panel provides 14 indicating status LEDs and 5 diagnostic LEDs:

Indicating status LEDs are:

- AC Power
- Zone 1 Alarm and Trouble
- Zone 2 Alarm and Trouble
- Alarm Silence
- Supervisory ON
- Supervisory Trouble
- System Trouble
- Manual Release Alarm and Trouble
- Release Output Trouble
- Abort Active and Trouble

Diagnostic LED indications are:

- AC Fault
- Ground Fault
- Battery Fault
- Signal Circuit Open
- Signal Circuit Short



Field programmable options include: multiple time delays, 3 abort modes, single or cross zone operation, release circuit isolation, and a second alarm relay programmable to operate on actuation of 2<sup>nd</sup> cross zone or agent release.

Programmable abort modes are:

- Mode 1 - Timer hold at 10 seconds, count down upon abort release
- Mode 2 - Timer reset to initial value, count down upon abort release
- Mode 3 - Timer hold at 10 seconds if actuated before 2<sup>nd</sup> alarm, count down upon abort release (IRI)

The 2320 has two independent style "B" initiating circuits that can be programmed for single or cross zone application. The circuits support 15 Fenwal 2-wire CPD/PSD type smoke detectors which can be intermixed with DETECT-A-FIRE® contact type, rate compensated thermal detectors. Also, style "B" abort, manual release and supervisory circuits are provided. All input circuits permit up to 50 ohms resistance thus allowing extended wiring runs.

Abort, manual release and audible/visual signal can be front panel mounted with P/N 30-232001-001 or P/N 30-232001-002 option (see ORDERING INFORMATION). The manual release switch incorporates a lift type guard to prevent inadvertent activation.

One style "Y" signal circuit is rated 0.5 Amps @ 24 Vdc.

# Fenwal 2320 Manual

**JE Gale**



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