October 22, 1998 B-240

IZ-4, IZ-4A, IZ-8, & IZE-A
Initiating Zone Modules

Section: Conventional Fire Alarm Control Panels

GENERAL

The IZ-4, IZ-4A, IZ-8, and IZE-A Initiating Zone modules provide Initiating Device Circuits for the NOTIFIER System 500 Fire Alarm Control Panel. The IZ-4 Initiating Zone Module provides four Style B (Class B) and the IZ-4A provides four Style D (Class A) alarm initiating or supervisory circuits.

The IZ-8 Initiating Zone Module provides eight Style B (Class B) alarm initiating circuits.

The IZE-A Initiating Zone Expander, when used with the IZ-8, provides eight Style D (Class A) alarm initiating circuits.

S635

CS118
CS733

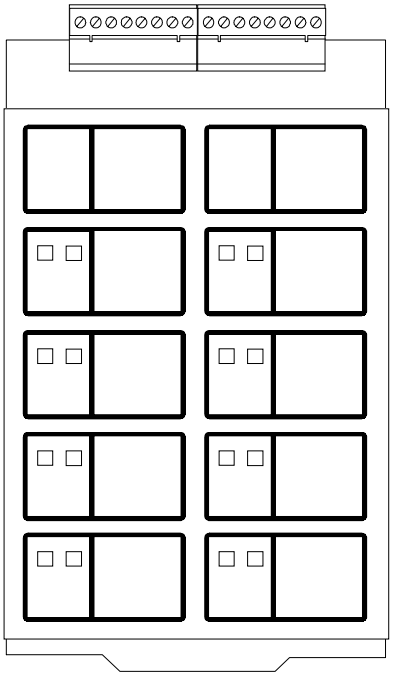
California State Fire Marshal
7165-0028:157

MEA
291-91-E

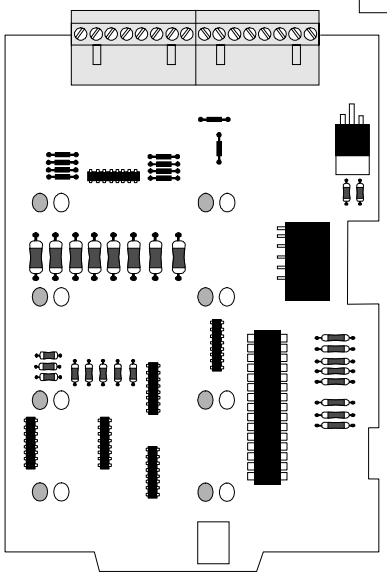
FM
0V7A0.AY

FEATURES

- Up to eight zones Style B (IZ-8) or Style D (IZ-8 & IZE-A).
- Up to four zones Style B (IZ-4) or Style D (IZ-4A).
- Powered loop allows the use of two-wire smoke detectors.
- Initiating circuits are power-limited for use with limited-energy cable.
- Alarm and Trouble LEDs are provided for individual annunciation of each zone.
- RED LEDs indicate alarm condition or I/O Mapping.
- YELLOW LEDs indicate initiating circuit Trouble, circuit Disabled or System communication failure.
- LEDs flash for unacknowledged alarms or troubles and light steady after being acknowledged or silenced.
- Walk Test selectable by zone.
- Each zone may be configured as a fire, waterflow, supervisory, non-alarm circuit, or for remote command inputs.
- Alarm verification selectable by circuit.



IZ-8 Eight-Zone (Style B) Initiating Zone Module



IZE-A Eight-Zone (Style D) Initiating Zone Expander

NOTIFIER One Fire-Lite Place, Northford, Connecticut 06472

ISO-9001
Engineering and Manufacturing Quality System Certified to International Standard ISO-9001

Made in the U.S.A.

APPLICATIONS

The IZ-8 provides up to eight zones of Style B alarm initiating or supervisory devices, both powered and non-powered, such as pull stations, smoke detectors, waterflow devices, tamper switches, etc.

Adding the IZE-A to the IZ-8 provides Style D operation.

The IZ-4 and IZ-4A provides up to four zones of Style B (Style B or D with IZ-4A). Alarm Initiation or Supervisory devices, both powered and non-powered, such as pull stations, smoke detectors, waterflow devices, tamper switches, etc.

CONSTRUCTION

The IZ Series consists of a panel-mounted printed circuit card. Windows in the System 500's door allow viewing of Alarm and Trouble LEDs. Slide-in pockets on the door also allow insertion of descriptive labels for the zones. Module windows are 0.875" (22.225 mm) high by 0.975" (24.765 mm) wide. Removable terminal blocks are provided for connection of field wiring on most modules.

The IZE-A consists of a printed circuit card which mounts behind the IZ-8 with hardware provided. Removable field-wiring terminal blocks are included with the IZE-A.

INSTALLATION

The IZ Series modules mount in one of two available module positions for the chassis using two captive screws. A ribbon cable connects the modules to the CPU-500. An optional IZE-A mounts to the back of the IZ-8 with hardware included.

SPECIFICATIONS

Applies to IZ-4, IZ-4A, IZ-8 and IZE-A, except as noted.

End-of-line device: 4.7k ohm, 1/2 watt resistor.

NOTE: *The IZ-8 with IZE-A does not require EOL resistors on its circuits.*

Loop voltage: 18 - 27 volts DC.

Maximum loop standby current: 2.5 mA.

Ripple: 100 mV max.

Maximum loop resistance: 100 ohm.

Maximum alarm impedance: 1200 ohm.

Minimum alarm impedance: 400 ohm.

Max. voltage with minimum alarm impedance: 10 VDC.

Minimum alarm current: 45 mA (typical).

IZ-4 standby current consumption: 27 mA.

IZ-4A standby current consumption: 27 mA.

IZ-8 standby current consumption: 47 mA.

IZE-A standby current consumption: 4 mA.