CIZM-4

Conventional Input Zone Module

P/N 99241

c UL us LISTED

Pending

Features

- SLC wiring style is applicable to the NFPA Class A (Style 6, 7) & Class B (Style 4)
- IDC wiring style is applicable to the NFPA Class B (Style B) & Class A (Style D)
- Power supply for terminals 24+ and 24- must be power limited
- SLC loop wiring (S+, S-) and initiating device wiring (A+, A-, B+ and B-) are power limited
- Wiring for terminals S+, S- are supervised
- Wiring for terminals 24+, 24- , A+ ,A-, B+, B- are supervised
- In the case of multiple detector operation (a counting zone or a cross zone), minimum of two detectors shall be installed in each protected premise and the detector installation spacing shall be reduced to 0.7 times the linear spacing in accordance with National Fire Alarm Code, NFPA 72
- Compatible conventional smoke detectors and bases are described in the Installation Instructions (Fig. 1)
- All wiring is between #14 (2.08 mm^2) (max.) and #22 (0.32 mm^2) (min.)
- For JFS-A Series control panels or JFS-IP Series control panels using Nohmi protocol

Description

The CIZM-4 module is used to supervise the status of initiating devices connected on an Initiating device circuit (IDC). The CIZM-4 detects an alarm condition and reports to the FACP. The CIZM-4 module also supervises the initiating device wiring (A+, A-, B+, and B- wires) and wiring for the power supply connected to terminals 24+ and 24- to detect an open circuit. IDC wiring style is applicable to the NFPA Class B (Style B) & Class A (Style D). When the CIZM-4 module detects an alarm, the module is latched until the system reset. When the CIZM-4 module is used with Class A (Style D) wiring condition and detects an open circuit on wiring of the IDC and power supply connected to terminal 24+ and 24-, the module is also latched until the system reset.

The CIZM-4 module has one red LED for local indication of the statuses of module itself and its wiring. Normal conditions are indicated by flashing LED. Alarm condition is indicated by constant illumination. Open circuit condition is indicated by extinction. However the system allows maximum 13 points illuminating constantly. Therefore the LED of modules which detects an alarm after the 13 points may be flashing even if the modules detect an alarm.

⚠ CAUTION

All terminals are power limited and should be wired in accordance with the requirements of NFPA 70 (NEC) and NFPA 72 (National Fire Alarm Code). Failure to follow the wiring diagrams in the following pages will cause the system to not operate as intended. For further information, refer to the control panel installation instructions.

Setting the Address

Each addressable module, smoke sensor, heat detector and combination sensor/ detector must have the address set prior connecting the device to the SLC loop. The address is set using the hand held device programmer.

Prior to connecting a device to the SLC loop, the following precautions should be taken to prevent potential damage to SLC or device. Verify the following before proceeding. Document discrepancies and notify appropriate personnel.

1. Power in the Addressable Module is removed
2. Field wiring on the module is correctly installed.
3. Field wiring has no open or short circuits.

Installation

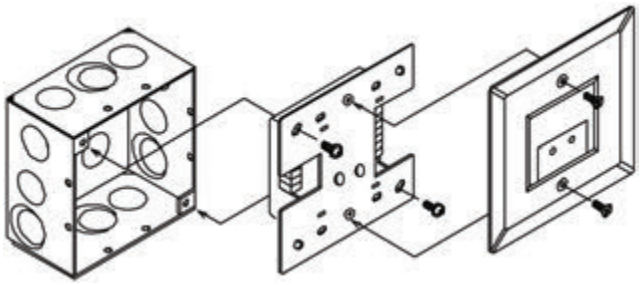

Figure 1: Installation into the compatible electrical box

Wiring

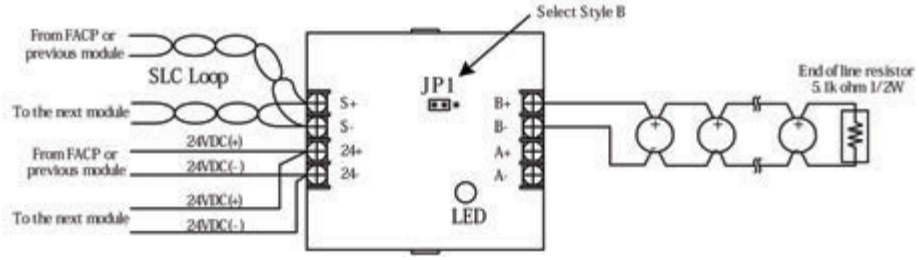

Figure 2: Wiring diagram of CIZM-4 in case of Class B (Style B)

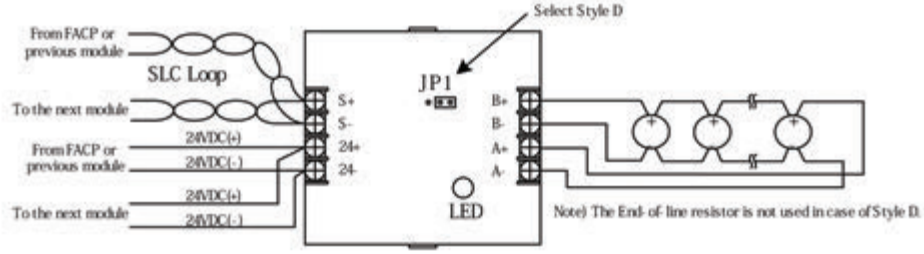

Figure 3: Wiring diagram of CIZM-4 in case of Class A (Style D)

Note: Approvals/Listings maintained by and manufactured by Potter Electric Signal Company.

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