



DCM-4

DUAL CONTACT MODULE



P/N 99242



Features

- Two (2) Class B and one (1) Class A input module
- 100 ohms from module to EOLR
- 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)
- SLC loop wiring (S+, S-) and initiating device wiring (C1, NO1, C2, NO2) are power limited
- All wiring for terminals are supervised
- Z1 and Z2 terminal are not used. (No Connection)
- All wiring is between #14 (2.08 mm²) (max.) and #22 (0.32 mm²) (min.)
- Maximum standby and alarm current 250 μ m

Note: This addressable module does not support 2-wire detector

Description

The Dual Contact Module, DCM-4 is used to supervise multiple contact points with unique addresses from a single device. The DCM-4 may be configured to monitor a normally open or normally closed contact. In addition, the DCM-4 may be configured as a single contact utilizing Class A wiring methods. In case of one contact supervising, wiring shall comply with the Class A (Style D) wiring. In case of two contacts supervising, wiring shall comply with the Class B (Style B) wiring.

The DCM-4 is fully supervised if wired in accordance with the wiring diagrams below.

DCM-4 employ one red LED to indicate the status. In normal condition, the LED flashes. When the contact is activated, the LED will turn on constantly. In case of open circuit, the LED will turn off. In case of two contacts supervising, if the conditions of two contacts are different from each other, the LED shall activate with higher priority condition. The highest priority of contact condition is activated condition of contact, the middle priority is open circuit, and the lowest priority is normal condition.

Since the system allows maximum 13 LEDs on devices to turn on constantly, if system already has 13 lighted LEDs on devices, DCM-4 will not turn on the LED and keep flashing even if the contacts of DCM-4 are activated.

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 before connecting the device to the SLC loop. The address is set using the hand held device programmer or the addressing feature on the control panel.

Before connecting a device to the SLC loop, take the following precautions to prevent potential damage to SLC or device. Verify the following:

1. Power to the device is removed.
2. Field wiring is correctly installed.
3. Field wiring has no open or short circuits.

Document discrepancies and notify appropriate personnel.

A dedicated address number is configured per DCM-4 module prior to connecting the module to SLC loop. When DCM-4 is used as two contacts supervising, two addresses are assigned. When the first address number is assigned by address setting unit, the second address number shall be assigned automatically with adding one (1) to first address number. For example, if the first address number is assigned as "2", the second address number shall be assigned as "3" automatically.

Installation

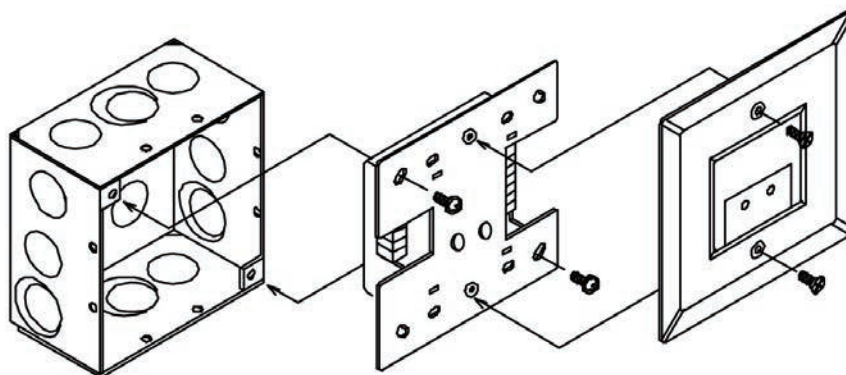


Figure 1: Installation into the compatible electrical box

Wiring Diagram

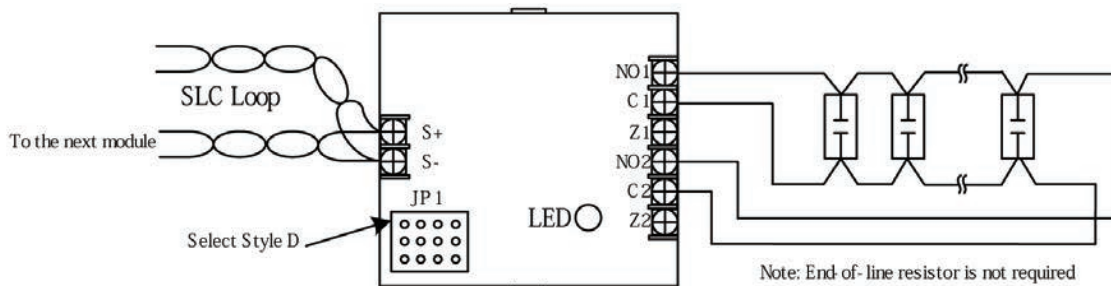


Figure 2: Wiring diagram in case of one contact supervising



Wiring (Continued)

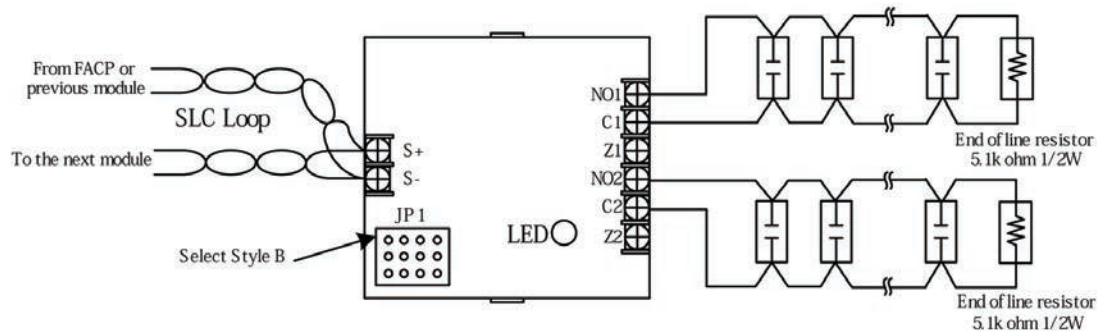


Figure 3: Wiring diagram in case of two contacts supervising (Normally-open contact)

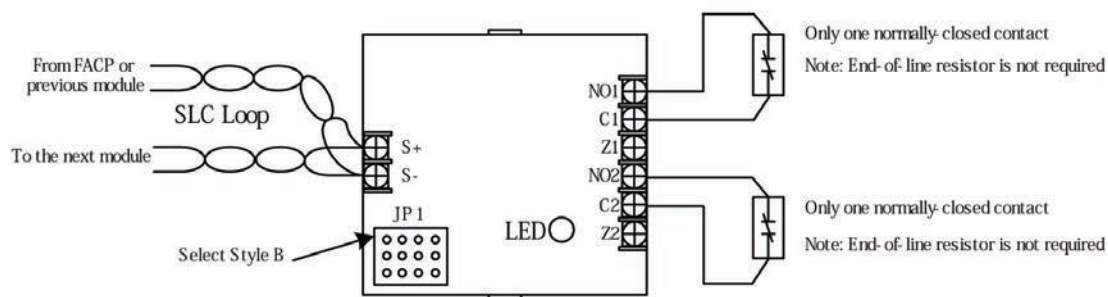


Figure 4: Wiring diagram in case of two contacts supervising (Normally-close contact)

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Ordering Information

Model Number	Description	P/N
DCM-4	Dual Contact Module	99242

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

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



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