POTTER NOHMI
The Symbol of Protection

DCM-4

DUAL CONTACT MODU

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 12/07/16

c UL us LISTED
S2930 7165-0328:0196

Product includes a 5 year warranty

Features

- Single contact module with dual inputs
- Two (2) Class B and one (1) Class A input module
- SLC Class A (Style 6, 7) & Class B (Style 4)
- IDC wiring may be Class B (Style B) or Class A (Style D)
- All connections are power limited
- Wiring for all connections is supervised
- Terminals accept 14 to 22 AWG wire
- Mounts in 4” square box with terminals accessible
- Temperature range of 32°F–120°F
- Maximum loop current draw of 325 µA

Note: This addressable module does not support 2-wire smoke detectors

Description

The Dual Contact Module, DCM-4 is used to supervise multiple contact points with unique addresses from a single device. In addition, the DCM-4 may be configured as a single contact utilizing Class A wiring methods.

The DCM-4 is fully supervised if wired in accordance with the wiring diagrams below. Normally closed contact monitoring is not UL listed.

The DCM-4 employs 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. If the conditions of two contacts are different from each other with two contacts supervising, 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 a maximum of 13 LEDs to activate constantly, if system already has 13 LEDs active on devices, DCM-4 will not turn on the LED and keep flashing even if the contacts of DCM-4 are in the active state.

NOTICE

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.

For more information, refer to a compatible fire panel installation.

Operation and Programming Manual.

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 the DCM-4 module prior to connecting the module to SLC loop. When DCM-4 is used for 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.

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Installation

Figure 1: Installation into the compatible electrical box

Wiring Diagrams

Figure 2: Wiring diagram in case of one contact supervising

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

Figure 4: Wiring diagram in case of two contacts supervising (*Normally-closed contact*) (Not UL/ULC Listed)