

55-045 Mini Monitor Module

SPECIFICATIONS

Normal Operating Voltage:	15 to 30 VDC
Standby Current:	485 μ A max. (continuous broadcasts); 745 μ A max. avg. (continuous broadcasts, IDC Shorted)
IDC Voltage:	5.4 VDC max.
Alarm Current:	2.0 mA (red LED on)
Maximum IDC Wiring Resistance:	100 Ω
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10% to 93% RH Non-condensing
Dimensions:	1.31" H \times 2.73" W \times 0.61" D; (33 mm H \times 69 mm W \times 15 mm D)
Wire Length:	6.5" (165 mm)
Accessories:	39 k Ω End of Line Resistor part #A2263-00 (included); 14 k Ω Alarm Resistor part #A3026-000 (not included)

BEFORE INSTALLING

This information is included as a quick reference installation guide. Refer to the appropriate control panel installation manual for detailed system information. If the modules will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service.

NOTICE: This manual should be left with the owner/user of this equipment.

GENERAL DESCRIPTION

Mini Monitor Module, Model 55-045, is used to monitor the normally open contacts of an auxiliary device. In addition to monitoring the contact, the device will monitor the wiring to the device for open circuits via an end of line resistor (Class B only).

COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to a listed compatible control panel.

MOUNTING

This module has pig-tail wires and is intended to be wired and mounted without rigid connections inside a standard electrical box.

WIRING

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations.

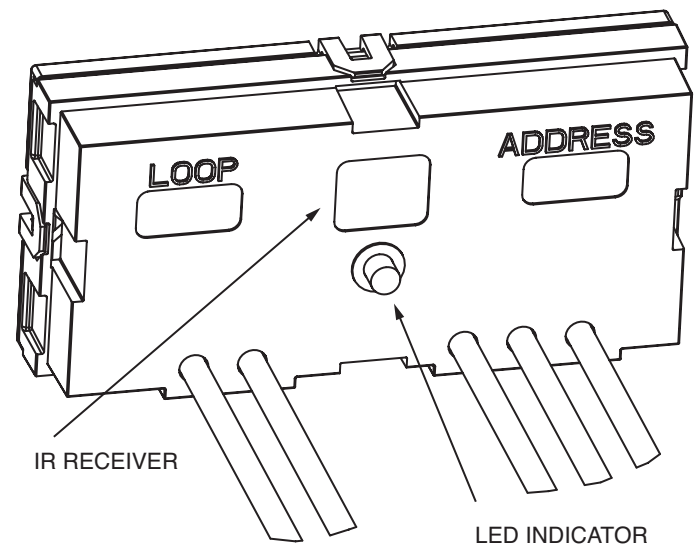
1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams.
2. Set the address on the module per job drawings using the IR configuration tool (model no. EA-CT).
3. Install module in the desired location.

NOTE: All references to power limited represent "Power Limited (Class 2)".

WIRE DEFINITIONS

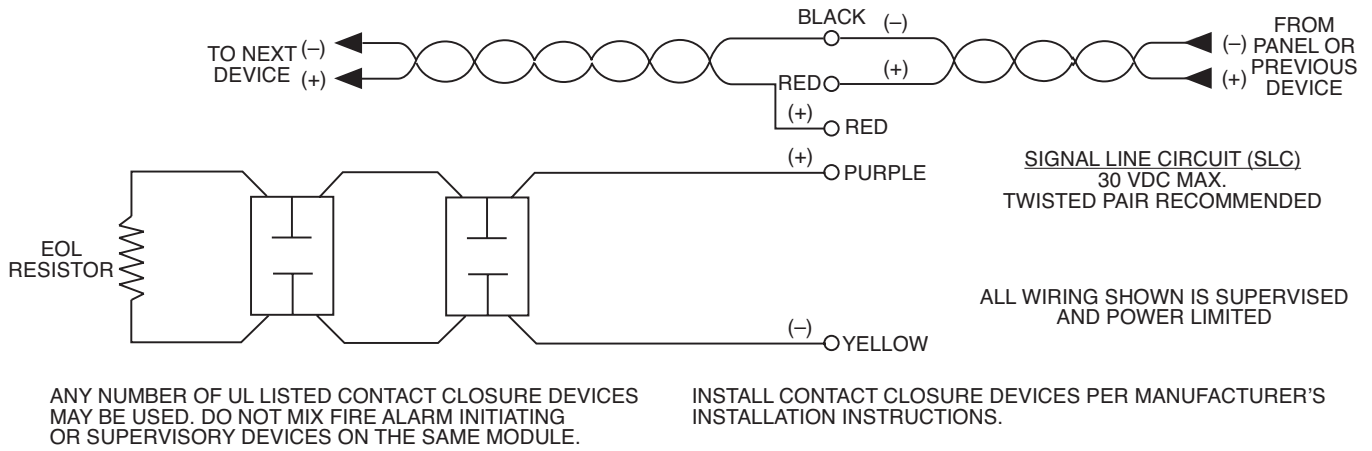
RED	(+) SLC in/out
RED	(+) SLC in/out
BLACK	(-) SLC in/out
PURPLE	(+) Supervised Input
YELLOW	(-) Supervised Input/(-) SLC in/out

FIGURE 1. MINI MONITOR MODULE:



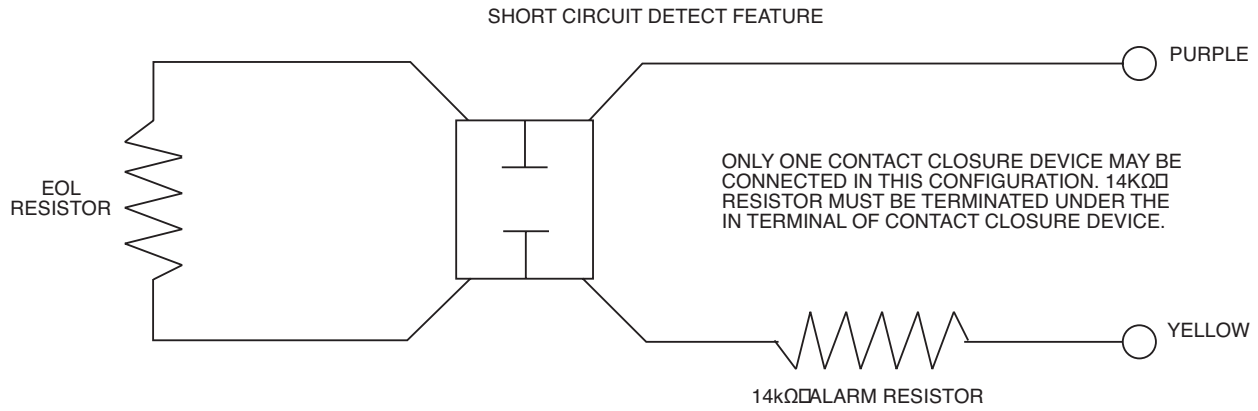
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FIGURE 2A. TYPICAL 2-WIRE INITIATING CIRCUIT CONFIGURATION, NFPA CLASS B/STYLE B WITH CLASS B SLC WIRING:



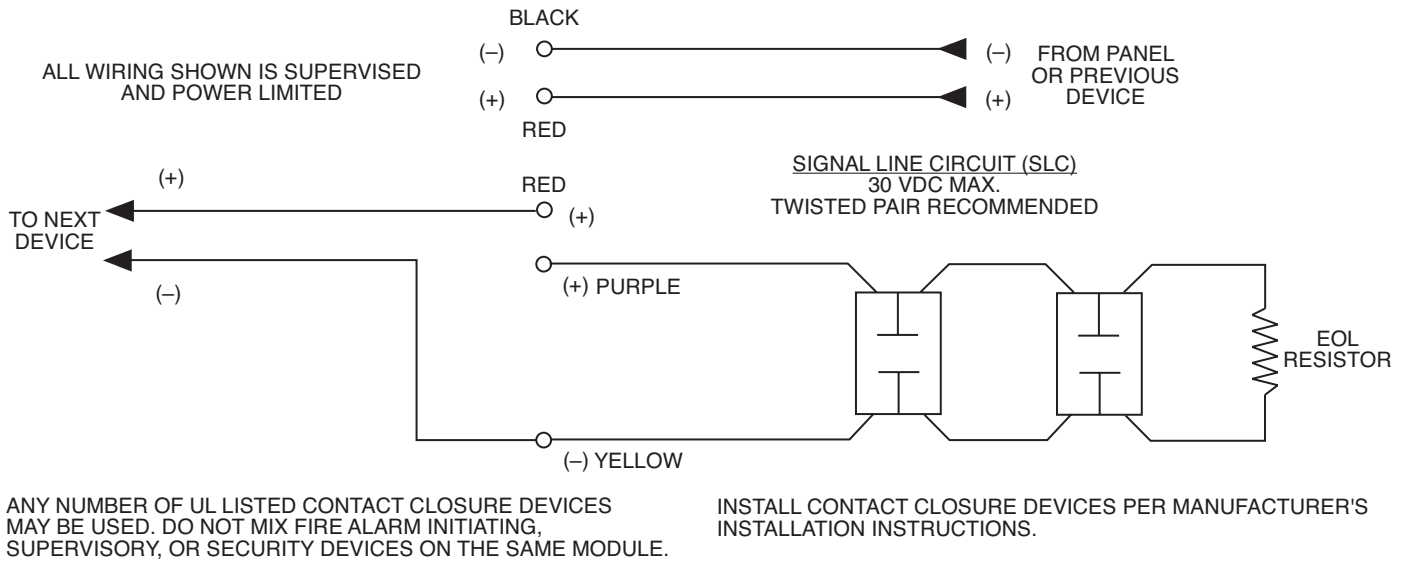
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FIGURE 2B. TYPICAL 2-WIRE IDC CONFIGURATION, NFPA CLASS B/STYLE C:



C1020-00

FIGURE 3. TYPICAL 2-WIRE INITIATING CIRCUIT CONFIGURATION, NFPA CLASS B/STYLE B WITH CLASS A SLC WIRING:



C0135-03

FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.