2-WIRE LOOP TEST/MAINTENANCE MODULE   i³ SERIES

Features

- Allows all 2-wire i3™ detectors to be used on any compatible 2 or 4-wire fire alarm control panel
- Interprets the i3 remote maintenance signal
- Provides visual indication and an output relay when a detector on the loop requires cleaning
- Initiates the EZ Walk loop test
- Provides Style D wiring on IDC loops
- Green, red, and yellow LEDs indicate
    - Loop communication status
    - Maintenance alert
    - Freeze trouble
    - Alarm
    - EZ Walk test enabled
    - Wiring fault
- Mounts to 4"-square back box
- Durable terminal blocks with SEMS screws

Description

The 2W-MOD2 two-wire loop test/maintenance module maximizes the benefits of the i3™ series smoke detectors, by offering detector remote maintenance signaling and EZ Walk loop testing capabilities.

Installation Ease

The 2W-MOD2 mounts to a 4"-square back box for quick and easy installation. Terminal blocks with durable SEMS screws assure a reliable connection.

Intelligence

The 2W-MOD2 allows communication to 2-wire i3 detectors with any listed fire alarm control panel. This in turn enables i3 detectors to initiate a remote maintenance signal when they are in need of cleaning, and to provide a visual indication of this condition at the module and at the panel. The 2W-MOD2 also features the EZ Walk loop test for 2-wire i3 series detectors. This function verifies the entire initiating loop wiring with just the press of a button.
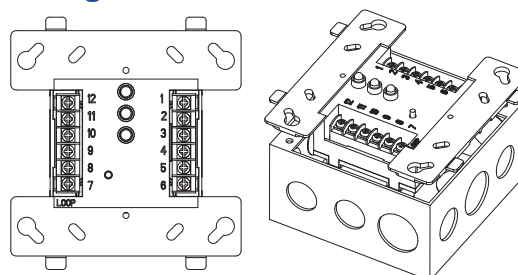
Instant Inspection

The 2W-MOD2 includes three LEDs — green, red, and yellow — that provide status indication for the loop. These LEDs indicate the following:
- Loop communication status
- Maintenance alert
- Alarm
- Freeze trouble
- EZ Walk test enabled
- Wiring fault

Engineering Specifications

Loop test/maintenance module shall be an i3 series model number 2W-MOD2, listed to Underwriters Laboratories UL 864 for Control Units for Fire Protection Signaling Systems. The module shall include provisions for mounting to 4-inch square back boxes. Wiring connections shall be made by means of SEMS screws. The module shall provide three LED indicators which will blink or illuminate to indicate communication status, maintenance alert, alarm or freeze trouble conditions, and EZ Walk loop test mode. The module shall allow communication to 2-wire i3 detectors with any UL listed fire alarm control panel. The 2W-MOD2 shall offer provisions for Style D wiring on IDC loops, and shall provide a loop testing capability to verify the initiating loop wiring.

Mounting

The 2W-MOD2 mounts directly to 4" square electrical boxes.

CATALOG NUMBER
5129

Electrical Specifications

Operating Voltage
Nominal: 12/24 V
Min.: 8.5 V power limited
Max.: 35 V power limited
Maximum Ripple Voltage
30% of nominal (peak to peak)

Maximum Standby Current
30 mA
Maximum Alarm Current
90 mA
Max. Maintenance Current
53 mA

Alarm Contact Ratings
0.5 A @ 36VDC, Resistive
Maintenance Contact Ratings
2 A @ 30VDC, Resistive

LED Modes

LED Color	Status	Condition
Green LED	On	Power on. Detectors on loop do not have communication capability.
	Blinking 1 sec. on / 1 sec. off	Power on. Detectors on loop are communicating normally.
	Off	Power not applied or module not in operation.
Red LED	On	Detector on loop in alarm.
	Blinking 1 sec. on / 1 sec. off	One or more detector on loop is in need of maintenance or is in freeze trouble.
Yellow LED	On	Loop wiring fault exists.
	Blinking 0.5 sec. on / 0.5 sec. off	EZ Walk test mode.

Power Up Sequence for LED Indication

Condition	Duration
Initial LED status indication	2 minutes
EZ Walk test available	6 minutes after reset

Physical Specifications

Operating Temperature Range
14°F–122°F (–10°C to 50°C)
Operating Humidity Range
0 to 95% RH non-condensing
Input Terminals
14–22 AWG

Dimensions
Height: 4.5 inches (114 mm)
Width: 4.0 inches (101 mm)
Depth: 1.25 inches (32 mm)
Weight
8 oz. (225 grams)

Mounting
4-inch square back box

Ordering Information

Model
2W-MOD2

Description
2-wire loop test/maintenance module for 2-wire i3 Series standard, sounder and Form C relay smoke detectors

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NOT TO BE USED FOR INSTALLATION PURPOSES.

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