



i³ Series 2-Wire Loop Test/ Maintenance Module

The MOD2W maximizes the benefits of the i³ Series smoke detectors by enabling detector remote maintenance signaling and EZ Walk loop testing capabilities of models 2W-B and 2WT-B.

Features

- Allows up to twelve 2-Wire i³ detector models, 2W-B, 2WT-B and one 2WTR-B, to be used on any listed alarm control panel capable of utilizing this module
- Interprets the i³ detector 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/Class A wiring on IDC loops



Installation ease: The MOD2W 2-wire loop test/maintenance module mounts to a 4 11/16 inch square back box for quick and easy installation. Terminal blocks with durable SEMS screws assure a reliable connection.

Intelligence: The MOD2W allows communication to 2-wire i³ detectors with any listed fire alarm control panel capable of utilizing this module. When these i³ detectors initiate a remote maintenance signal for required cleaning, both the MOD2W and the panel can provide a visual indication of the signal. The MOD2W module also features the EZ Walk loop test for 2-wire i³ detectors. With just the press of a button, this function verifies the entire initiating loop wiring.

Instant inspection: The MOD2W's green, red, and yellow LEDs provide status indication for the loop. These LEDs indicate loop communication status, maintenance alert, alarm, freeze trouble, EZ Walk test enabled, and wiring fault.

Agency Listings



S911



7300-1653.0229

i³ Series 2-Wire Loop Test/Maintenance Module (MOD2W) Specifications

Loop test/maintenance module shall be System Sensor i³ Series model number MOD2W, listed to Underwriters Laboratories UL 864 and UL 985 for Control Units for Fire Protection Signaling Systems. The module shall include provisions for mounting to 4 11/16 inch square back boxes. Wiring connections shall be made by means of SEMS screws. The module shall provide three LED indicators that 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 capable of utilizing this module. The MOD2W module shall offer provisions for Style D/Class A wiring on IDC loops, and shall provide a loop testing capability to verify the initiating loop wiring.

Electrical Specifications	Module
Operating Voltage (VDC):	Nom.: 12/24; Min.: 8.5 (2-wire); Max.: 35 VDC (power limited)
Standby Current:	60mA (max.), 38mA (12V In), 20mA (24V In)
Alarm Current:	185mA (max.)
Maximum Ripple Voltage:	30% of applied power
Maximum Alarm Threshold:	9.2 Volts DC
Alarm and Maintenance Contact Rating:	100 mA @ 36 Volts DC, resistive, 25 ohms
Maximum Loop Wiring Resistance:	50 Ohms

¹ Does not include current draw from attached detectors or EOL relay.

Physical Specifications	Module
Dimension:	Height: 6.04"; Width: 6.04"; Depth: 1.00"
Weight:	9.6 oz. 272 (g)
Operating Temperature Range:	0 – 50° C (32 – 122° F)
Operating Humidity Range:	5 - 95% RH
Storage Temperature Range:	-20 – 70° C (-4 – 158° F)
Input Terminals:	14 to 22 AWG
Mounting:	4 11/16" square back box or inside a metal enclosure

Operation Modes / LED Status	Green	Yellow	Red
Alarm Smoke:	Blink 1 sec.	Off	On
No power / No communication:	Off	Off	Off
Loop wiring fault:	Blink 1 sec.	On	Off
EZ Walk Test Mode:	Blink 1 sec.	Blink 1 sec	Off
Smoke Maintenance:	Blink 1 sec.	Off	Blink 5 sec
Smoke Freeze Trouble:	Blink 1 sec.	Off	Blink 10 sec

Module Power-Up Sequence / LED Status

Condition	Duration
Maintenance/Freeze trouble LED indication	6 minutes
EZ Walk test available	6 minutes after power up or panel reset

Ordering Information

Part No.	Description
MOD2W	2-Wire Loop Test/Maintenance Module (for use with i ³ Series smoke detectors 2W-B, 2WT-B and one 2WTR-B)



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