

SmartOne® CLASS B Addressable Contact Input Device



K-76-703

Effective: March 2022

FEATURES

- **Monitors N.O. or N.C. Unpowered Contacts**
- **Full Digital Communications**
- **Output for Remote LED (Customer-Supplied)**
- **CLASS B Initiating Device Circuit**
- **Maximum 200 Ohm Loop Resistance (both conductors)**
- **cULus Listed**
- **FM Approved**
- **California State Fire Marshal Listed**

DESCRIPTION

The SmartOne® Addressable Contact Input Device (AI) is an intelligent field device with its own microprocessor and memory which interfaces to all standard contact type fire alarm devices. The Initiating Device Circuit (IDC) is wired as one CLASS B NFPA 72 circuit.

The type of contact monitored is selectable through a jumper to monitor N.O. (Normally Open) or N.C. (Normally Closed) devices.

FIELD PROGRAMMING

CLASS B Addressable Input modules are interchangeable with existing Addressable Input modules in the field. The module's Signaling Line Circuit (SLC) address is set in the same manner as all SmartOne devices. System address, owner location message and reporting type are programmable via the compatible control unit configuration software program. The system address is a 3-digit number that uniquely identifies each device. The owner location message is a 40-character, alpha numeric message that describes the location of the device. The reporting type is assigned to the AI based on the functionality of the device being monitored.

SUPERVISION

The AI continuously monitors the integrity of the following:

- Continuity of contact interface wiring
- Device/panel communications
- Power/communications voltage
- Internal power supply
- Memory data

STATUS LED

A remote status LED may be connected to the AI.

ORDERING INFORMATION

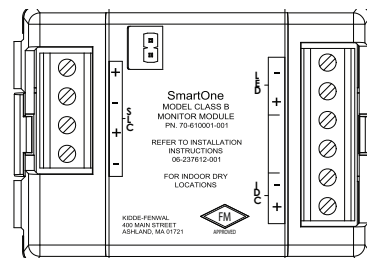
Description	Part Number
CLASS B Addressable Input Module	70-610001-001
Note: P/N 70-610001-001 includes:	
– CLASS B Addressable Input Module	
– Installation Bracket	
– (2) End-of-Line Resistors	
End-of-Line Resistors (25 pieces of P/N 06-129025-003)	70-411001-025
Installation Bracket	06-237614-001

EXPORT INFORMATION (USA)

Jurisdiction: EAR
US ECCN: EAR99

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SPECIFICATIONS

Operating Voltage Range:	24VDC (nominal)
Device Current: (for all operating conditions)	580 μ A Max
Operating Temperature Range:	-31 TO 151°F (-35 to 66°C)
Operating Humidity Range:	0 - 95% RH, non-condensing
Environment:	Indoor Use Only, Dry Locations
Construction:	Flame Retardant ABS
Shipping Weight:	3.45 oz. (98 g)
Compatible Electrical Boxes:	North American 2-1/2 in. (64 mm) Deep 1-Gang Box with Metal Cover or Standard 4-in. Square Box 1-1/2-in. (38 mm) Deep with 4-in. Metal Cover.
Initiating Device Circuit (for Normally Open AI)	NFPA 72 CLASS B Wiring
EOL Resistor Value:	10K Ω
Max. Circuit Resistance:	200 Ω (per IDC) 100 Ω (per conductor)
Max. Circuit Capacitance:	0.1 μ F
Recommended Wire Type:	Twisted, unshielded, low-capacitance, fire-alarm wire

COMPATIBLE CONTROL UNITS

Fire Alarm Control Unit (FACU) Type	Current Product	Legacy Product
Single Loop	ARIES®-SLX	ARIES® FENWALNET™ 6000 MICRO SLX PEGAsys™* FENWALNET™ 2000*
Multi Loop	ARIES®-MLX	ARIES® NETLink FenwalNET™ 8000-ML MICRO MLX PEGAsys* FENWALNET™ 2000*
*FACUs running software revision 82.4 are compatibility-tested but not agency listed with the device(s) in this data sheet.		

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