

D7053 Multiplex input/output module, 12V

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- ▶ Use with FPD-7024, D7024, or DS9400M addressable FACPs
- ▶ Fits into a standard double-gang or four-inch square back box
- ▶ Easy addressing using rotary switches
- ▶ Low current draw

The D7053 MUX input/output module (12V) is a general purpose device that monitors a normally-open (NO), supervised contact device. It provides a separately controlled Form C relay output. The module connects to the multiplex bus of an FPD-7024, D7024 or DS9400M FACP. It configures as either Class A or Class B and addresses using rotary switches. All operating power for the module is drawn from the control panel's multiplex bus. An on-board status LED indicates normal, alarm, and trouble conditions.



Notice

The D7024 and DS9400M are legacy products listed to UL864, 8th edition.

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UL 864, Control Units and Accessories for Fire Alarm Systems
	FM	see the FM Approval Guide

Region	Regulatory compliance/quality marks	
	CSFM	see www.boschsecurity.com (the Bosch website)
	FDNY-CoA	6173

Installation/configuration notes

Compatible Products

The D7053 is compatible with the FPD-7024, D7024*, and DS9400M* Fire alarm control panels. The modules connect to the FACP through an expansion module. Use the FPE-7039 with the FPD-7024 FACP or the D7039* with either the FPD-7024 or D7024* FACPs. Use the DS9431* Multiplex expansion module with the DS9400* FACPs.

* Legacy product - not available for purchase. The D7024 and DS9400 FACPs are listed to UL 864, 8th edition

Mounting

Mount the module on a double-gang or four-inch square back box.

Wiring

Make connections to the terminals on the rear of the module. All terminals can accommodate up to 12 AWG (ISO 4 mm²) wire. However, follow wiring guidelines specified by the National Electrical Code (NFPA-70). All wiring is power limited and supervised.

i Notice

Do not use shielded wire.

Supervise the Class B input loop with the supplied EOL resistor.

Parts included

Quantity	Component
1	D7053 module
1	2.21 kΩ end-of-line (EOL) resistor (P/N: F.01U.034.504)
1	Literature pack

Technical specifications**Electrical**

MUX bus circuit designation	Supervised Class A SLC or Class B SLC
Input Type	One normally-open (NO) Class B contact input supervised by a 2.21 kΩ EOL resistor (P/N: F.01U.034.504)
Relay outputs	One set of Form C (NO/C/NC) contacts rated for 120 VAC at 0.5 A, 24 VDC at 1.0 A .resistive loads only
Power from FACP's MUX bus Current Voltage (minimum)	0.70 mA 8 V peak (12 VDC nominal)

Environmental

Environment	Indoor, dry
Radio Frequency Interference (RFI) Immunity	No lockup or alarm on critical frequencies ranging from 26 MHz to 950 MHz for field strengths <30 V/m
Relative Humidity	Up to 93% non-condensing
Temperature (operating)	+32°F to +120°F (0°C to +49°C)

Mechanical

Color	White
Dimensions (L x W x H)	4.80 in. (12.2 cm) x 1.97 in. (5.0 cm) x 4.88 in. (12.4 cm)
Material	ABS plastic
Weight Gross Net	0.80 oz. (0.227 kg) 0.67 oz. (0.189 kg)

Trademarks

All hardware/software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information**D7053 Multiplex input/output module, 12V**

Connects normally-open (NO) contacts to the multiplex bus of an FPD-7024, D7024, or DS9400M FACP in configures as either Class A or Class B configuration
Order number **D7053**

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