

D7053 Multiplex Input-output Module

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

The D7053 Multiplex Input-output Module is a general purpose device that monitors a normally-open (NO), supervised contact device and provides a separately controlled Form C relay output. The module connects to the multiplex bus in either a Class A (Style 6) or Class B (Style 4) configuration. All operating power for the module is drawn from the control panel's multiplex bus.

Rotary switches allow convenient address setting. An on-board status LED on the module indicates normal, alarm, and trouble conditions and is visible on the module or on an attractive, low-profile faceplate.



Notice

The D7024 and DS9400M are **not** listed under UL864, 9th edition.

Region	Certification	
	CSFM	see our website
	FDNY-CoA	#6173

Installation/configuration notes

Compatible Products

The following products are compatible with the D7053 Multiplex Input-output Module:

Category	Product ID	Product Description
Control Panels	D7024	Addressable FACP
	D7024-EXP	Addressable FACP for export
	DS9400M	Addressable FACP
	FPD-7024	Addressable FACP
Modules	D7039	Multiplex expansion module

Mounting

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

Certifications and approvals

Region	Certification	
USA	UL	UOJZ: Control Units, System (ANSI/UL 864) and UOXX: Control Unit Accessories, System (ANSI/UL 864)
	FM	D7053

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.

**Notice**

Do not use shielded wire.

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

Parts included

Quant.	Component
1	D7053 module
1	2.21 k Ω end-of-line (EOL) resistor (P/N: 25899)
1	Literature pack

Technical specifications**Circuit Designation**

MUX Bus:	Supervised Class A (Style 6) SLC or Class B (Style 4) SLC
Input:	Supervised Class B (Style B) IDC

Environmental Considerations

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

Inputs

Type:	One normally-open (NO) Class B (Style B) contact input supervised by a 2.21 k Ω EOL resistor (P/N 25899).
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Mechanical Properties

Color:	White
Dimensions:	4.3125 in. (10.9 cm) square by 1.0625 in. (2.7 cm) deep
Material:	ABS plastic
Weight:	3.9 oz (110 g)

Outputs

Alarm:	Reports alarm and point number to FACP
Relay:	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
Trouble:	Reports trouble and point number to FACP

Power Requirements (supplied from FACP's MUX bus)

Current:	0.70 mA
Voltage (minimum):	8 V peak (12 VDC nominal)

Ordering information**D7053 Multiplex Input-output Module**

The D7053, powered by its connection to the multiplex bus of a D7024, DS9400M, or FPD-7024 FACP in either a Class A (Style 6) or Class B (Style 4) configuration, monitors a normally-open (NO) contact device and provides a separately controlled Form C relay output. It is addressed by rotary switches.

Order number **D7053**

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