D7053 Multiplex Input-output Module

www.boschsecurity.com

BOSCH
Invented for life

- 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.

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
	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.

Wiring

Make connections to the terminals on the rear of the module. All terminals can accommodate up to 12 AWG (ISO 4 mm^2) 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 kΩ 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 kΩ EOL resistor (P/N 25899).

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**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

© Bosch Security Systems 2014 | Data subject to change without notice
2692090379 | en, V4, 22. Jul 2014