



D7050-B6 Two-wire Detector Base



- ▶ Connects to multiplex bus of the D7024 Addressable FACP
- ▶ Detector's head is easily removed by twisting
- ▶ Two-piece detector head and base design allows pre-wiring the system

The D7050-B6 is the required base for the D7050 Multiplex Photoelectric Smoke Detector Head and the D7050TH Multiplex Photoelectric Smoke Heat Detector Head. It connects to the multiplex bus of the D7024 Addressable Fire Alarm Control Panels (FACPs).

Note The D7024 FACP requires a D7039 MUX Expansion Module and control panel ROM version 2.0 or higher.

Certifications and Approvals

Listings and Approvals: UL UROX: Smoke - Automatic Fire Detectors (UL268)
UL UROX7: Smoke - Automatic Fire Detectors certified for Canada (ULC529)
cULus
CSFM 7300-1651: 176

Installation/Configuration Notes

Compatible Products

The following products are compatible with the D7050-B6 detector base:

Category	Product ID	Product Description
Control	D7024	FACP
Panels	D7024-EXP	FACP for export

Detectors	D7050	Multiplex photoelectric smoke detector
	D7050TH	Multiplex photoelectric smoke detector with 135°F (57°C) heat sensor
Remote Annunciators	DRA-12/24	12 VDC and 24 VDC remote annunciator

Mounting Considerations

The D7050-B6 Base can be mounted on a four-inch square, a four-inch octagonal, or a single-gang box. It can also be surface mounted with anchors, mollies, or wing nuts.

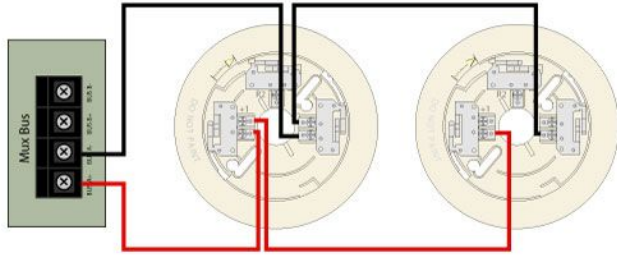
Number of Devices Allowed on Loop

The number of multiplex smoke or smoke-heat detectors allowed on the multiplex bus is determined by the wire gauge and the total wire length of the bus. Do not exceed 30 Ω maximum line resistance. Refer to the *D7039 Installation Guide* (P/N: 38685) for multiplex bus wiring requirements.

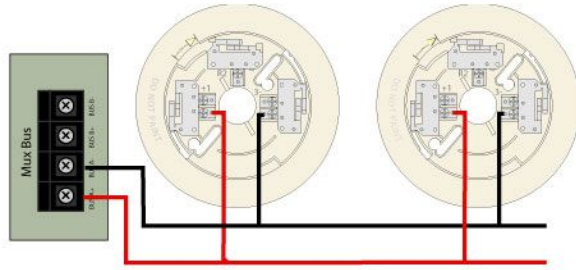
Wiring Connection to D7024 MUX bus through D7039

Warning Do not use shielded cable.

The D7050-B6 bases can be wired in a series or using the T-tap method. See the following illustrations.



Series Connection



T-tap Connection

Technical Specifications

Environmental Considerations

Relative Humidity: 0% to 93% non-condensing
 Temperature (Operating): +32°F to +100°F (0°C to +38°C)

Mechanical Properties

Color: Off-white
 Material: High-impact, fire-retardant polymer plastic

Ordering Information

D7050-B6 Two-wire Detector Base D7050-B6

Parts Included

Quant.	Component
1	Detector base
1	Hardware pack
1	Literature pack

Americas:
 Bosch Security Systems
 130 Perinton Parkway
 Fairport, New York, 14450, USA
 Phone: +1 585 223 4060
 Fax: +1 800 289 0096
 security.sales@us.bosch.com
 www.boschsecurity.us

Europe, Middle East, Africa:
 Bosch Security Systems B.V.
 P.O. Box 80002
 5600 JB Eindhoven, The Netherlands
 Phone: +31 40 27 83955
 Fax: +31 40 27 86668
 emea.securitysystems@bosch.com
 www.boschsecurity.com

Asia-Pacific:
 Bosch Security Systems Pte Ltd
 38C Jalan Pemimpin
 Singapore 577180
 Phone: +65 6319 3450
 Fax: +65 6319 3499
 apr.securitysystems@bosch.com
 www.boschsecurity.com

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