D928 Dual Phone Line Switcher

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BOSCH
Invented for life

- Automatically switches to alternate phone line
- AC Power LED
- Primary and Secondary Phone Trouble LEDs
- Communication Fail LED

All reporting fire alarm systems are required to have a primary and alternate means of transmitting reports to a receiver. The D928 Dual Phone Line Switcher allows the control panel to operate over and supervise two separate phone lines. Typical applications are schools, factories, and care facilities where the ability of the system to relay information off-premises is especially critical for safeguarding life and property.

Functions

System Operation
If a signal is generated and the control panel senses that the primary phone line is bad, then it uses the alternate phone line to send the message. If trouble is detected, the control panel keeps the faulty phone line in memory.
If the primary line is found to be electrically faulty, the D928 switches to the alternate phone line and reports the fault. The D928 uses the primary or alternate phone line to dial a primary, backup, or duplicate phone number.
When using the Modem IIIa^2 communication format, the control panel sends a phone line failure message to the D6100i or D6600 Receiver, indicating which phone line is in trouble. The control panel sends two distinct messages for trouble on the primary or alternate phone line.
Four LEDs mounted on the front edge of the D928 serve as status LEDs by displaying primary and alternate phone line failure, failure to communicate, and AC power status.

Certifications and approvals

Region	Certification	
USA	UL	AMCX7: Central Station Alarm Units Certified for Canada, AOTX7: Local Alarm Units Certified for Canada, APAW7: Police Station Alarm Units Certified for Canada, APOU7: Proprietary Alarm Units Certified for Canada, NBSX7: Household Burglar Alarm System Units Certified for Canada, and UOJZ: Control Units, System
	FM	D928
	CSFM	see our website
	FCC	ESVAL03BD928
	FDNY-CoA	Fire Department of NYC

Region	Certification	
	NYC-MEA	12-92-E, Vol. 12 12-92-E, Vol. 12
	NYC-MEA	12-92-E, Vol. XV
Canada	IC	1249A-D928

Installation/configuration notes

Compatibility Information

The D928 Dual Phone Line Switcher is compatible with these Bosch Security Systems, Inc. control panels: D9412GV4, D7412GV4, D9412GV3, D7412GV3, D9412GV2, D7412GV2, D9412G, D7412G , D9412, D7412, D7212, D9124GV2, D9124, and D9112.

Mounting Considerations

The D928 Dual Phone Line Switcher mounts inside a D8103, D8108A, or D8109 enclosure. Mount the module on the lower right-hand side inside of the enclosure as instructed in the control panel's installation manual.

Notice
The enclosure must be UL listed for fire applications. Use a D8108A or D8109 enclosure for fire applications.

Wiring Considerations

Refer to the control panel's installation manual for specific wiring instructions. The D928 connects to the control panel through the flying leads and the ribbon cable provided.
It connects to the telephone company phone line through phone cords. Only one D162 phone cord is supplied. Two additional D161 or D162 phone cords are required.

Programming

The D928 is programmed at the control panel using the appropriate Program Entry Guide.

Parts included

Quant.	Component
1	Dual phone line module
1	D162 phone cord
1	Ribbon cable
1	Hardware pack
1	Literature pack

Notice
Only one D162 phone cord is supplied. Two additional D161 or D162 phone cords are required.

Technical specifications

Mechanical Properties

Dimensions (HxWxD):	5 in. x 3 in. x 3.8 in. (13 cm x 8 cm x 2 cm)
Weight:	3.3 oz. (93.5 g)

Power Requirements

Current:	100 mA maximum
Voltage (operating):	12 VDC nominal

Ordering information

D928 Dual Phone Line Switcher
Allows the control panel to operate over and supervise two separate phone lines. Only one D162 phone cord is supplied. Two additional D161 or D162 phone cords are required.
Order number **D928**

Accessories

D161 Dual Modular Telephone Cord
A 2.1 m (7 ft.), 8-conductor fully modular plug-in cord.
Order number **D161**

D162 Modular Telephone Cord
A 61 cm (2 ft) telephone cord with a standard plug on one end.
Order number **D162**

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