

Specifications

Features

- Dual Phone Line Switcher
- Automatic switching to alternate phone line
- D9124, D9412, D9412G, D9112, D7412, D7412G, D7212 CPU (Central Processing Unit) supervision
- CPU failure annunciation
- AC Status LED
- Primary and alternate phone trouble LEDs
- Communication fail LED

Description

Radionics' D9124, D9412, D9412G, D9112, D7412, D7412G, D7212 Control/Communicator panels use the D928 Dual Phone Line Switcher to transmit over an alternate phone line when the primary phone line is faulted. The D928 monitors the alternate line and the panel monitors the primary line.

If a signal is generated and the panel senses that the primary phone line is bad, then it will attempt to use the alternate phone line to send the message. If trouble is detected, the 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 Modem IIIa², the panel sends a phone line failure message to the D6500 or D6600 Receiver, indicating which phone line is in trouble. The panel sends two distinct messages for trouble on the primary or alternate phone line.

The D928 also has a circuit that monitors the panel's CPU for proper operation. If the CPU fails, a buzzer on the D928 sounds as does a sounder in the panel. This sounder cannot be reset while the CPU is failed.

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.



D928 Dual Phone Line Switcher

Application

All reporting fire alarm systems are required to have a primary and alternate means of transmitting reports to a receiver. Typical D928 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.

Installation

The D928 Dual Phone Line Switcher mounts inside the Control/Communicator enclosure. Mount the module to the inside of the enclosure as instructed in the appropriate Operation and Installation Manual.

The D928 connects to the control/communicator through the interconnect wire provided. The ribbon cable attaches to the panel's accessory connector.

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

Install, test and maintain this device according to its Installation Guide, NFPA 72, Local Codes and the Authority Having Jurisdiction. Failure to follow these procedures may result in failure of the device to operate properly. Radionics is not responsible for devices that are improperly installed, tested or maintained.

Specifications

Idle Current	18 mA @13.8 VDC
Maximum Current	100 mA @ 13.8 VDC
Operating Voltage	10.2 to 13.9 VDC supplied by the control/communicator
Status Indicators	LEDs indicate primary phone line fail, alternate phone line fail, failure to communicate and AC power status. Buzzer announces CPU failure.
Wiring Connections	Standard Modular Connections
Dimensions (H x W x D)	5 in. x 3 in. x 3.8 in. (13 cm. x 8 cm. x 2 cm.)
Weight	3.3 oz. (93.5 g)

Listings and Approvals

- Underwriters Laboratories
- FM
- NYC-MEA
- CSFM

Ordering Information

Model	Description
D161	Dual Modular Phone Cord (7 ft. / 2.1 m)
D162	Dual Modular Phone Cords (2 ft. / 6.1 m)
D928	Dual Phone Line Switcher

ISO 9002



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