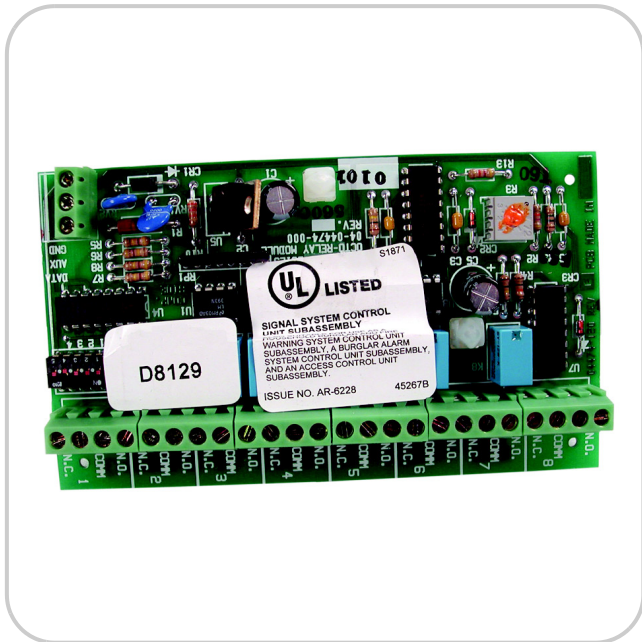


D8129 Octo-Relay Module

Prod. ID

D8129



The D8129 is suitable for applications requiring Form "C" relay to operate auxiliary systems or to display fire system status at remote annunciators. Building components such as HVAC, door lock releases, and stairwell pressurization can be interfaced with the D8129 for complete system control and monitoring.

Industrial, commercial, and institutional facilities are typical installations for the D8129 module. The eight on-board relays can be programmed to activate on system alarm, system trouble, individual zone or point faults, and through remote control by authorized users.

■ System Overview

The D8129 Octo-Relay module provides eight programmable Form "C" relays. Each relay provides dry contact switching rated for 1.0 amp at 12 VDC. The relays are accessed through on board screw terminal connections.

The Octo-Relay Module uses information from the control/communicator serial data output to activate the relays. On-board switches are used to configure the Octo-Relay Module for different operating modes, or to specify relay output numbers. These switches, along with panel programming options, determine the D8129's response to the serial data. Programming within the panel can activate specific relays or set of relays in response to system conditions. For the 9000 Series, slide switches are configured for specific relay output numbers, which are activated according to their programming. The D8129 Octo-Relay Module uses five slide switches with multiple setting options to configure its mode of operation. The D8129 receives serial data from the control/communicator and activates relays in response to panel conditions and slide switch settings. Relays can be programmed for remote control from a panel command center.

Each relay has continuity between the common terminal and the normally closed terminal while in the inactive state and between the common terminal and the normally open terminal in the active state.

■ Features

- Programmable relay functions
- Provides 8 Form "C" relays
- 1 amp at 12 VDC relay contact rating
- Operates with the D8112 (serial bus) and 9000 Series (Zonex bus) communicator panels
- Slide switch configuration
- Allows remote control of relays
- Screw terminal connections

■ Basic Functions

Output relays

Each relay output provides a normally open and a normally closed output.

Modes of operation

A slide switch with multiple switch settings can be used to configure the module for a specific mode of operation for D8112 Series systems, or programming can be used to determine relay operation for 9000 Series systems.

■ Certifications and Approvals

UL Standards	UL1610, Central-Station Burglar-Alarm Units UL1635, Digital Alarm Communicator System Units UL464, Audible Signal Appliances UL609, Local Burglar Alarm Units and Systems UL365, Police Station Burglar Alarm Units and Systems UL1023, Household Burglar-Alarm System Units UL864, Control Units for Fire-Protective Signaling Systems UL985, Household Fire Warning System Units
Approvals	BSA CSFM

■ Planning

Up to four D8129 Octo-Relay Modules can be mounted in a control/communicator enclosure. For additional modules, use the D137 Mounting Bracket. The D8129 connects to a panel using the 12 VDC Auxiliary output, Serial Data Output, and common terminals.

■ Technical Specifications

Board	
Dimensions (HxWxD):	5.0 in. x 3.0 in. x 0.75 in. (12 cm x 7.6 cm x 1.9 cm)
Compatible Panels	9000 Series
Connections	16 to 22 AWG (1.5 to 0.8 mm) from the control/communicator to the module
Power Requirements	
Current (Maximum):	320 mA (all relays energized)
Current (Minimum):	20 mA
Voltage (Operating):	12 VDC, supplied by control/communicator
Relay Contact Rating	Form "C" dry contact (1.0 amps at 12 VDC) During pulsed output, relay maintains closure for 1 second

■ Hardware Options

D137 Mounting Bracket



Used to mount accessory modules in D8103, D8108A, D8109, and D8109L Enclosures.

D138 Mounting Bracket, Right Angle



Used to mount accessory modules in a D9101 Enclosure.