

## D8129 Octo-Relay Module Specification Sheet

### Features

- Programmable relay functions
- Provides 8 Form C relays
- 1 Amp at 12 VDC relay contact rating
- Operates on serial data from Radionics control/communicator panels
- Slide switch configuration
- Allows remote control of relays
- Screw terminal connections

### Description

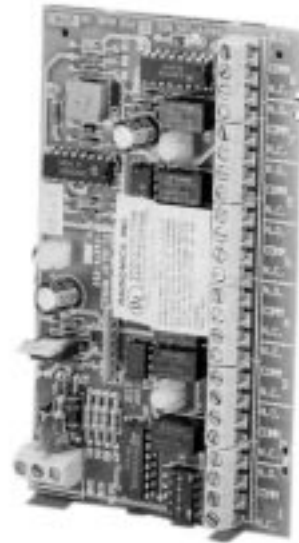
The D8129 Octo-Relay Module is an accessory for Radionics Fire or Security Alarm Control/Communicator panels. The D8129 provides eight programmable form C relays. Each relay provides dry contact switching rated for 1.0 Amp at 12 VDC. The relays are accessed through on board screw terminal connections.

The Octo-Relay Module uses information from the control/communicator serial data output to activate the relays. On-board slide 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 sets of relays in response to system conditions. For the D9124, D9112, D7212, and D7112, slide switches are configured for specific relay output numbers, which are activated according to their programming.

### Application

The D8129 is suitable for applications requiring form C relay switching 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.



### Listings and Approvals

- UL listed
- NYC-MEA approved
- CSFM listing no. 7167-801:104 (household)
- CSFM listing no. 7165-801:102 (non-highrise)

### Installation

You can mount up to four D8129 Octo-Relay modules in a Radionics control/communicator enclosure using the mounting locations provided. For additional modules, or for mounting the D8129 in non Radionics enclosures, use the D137 Mounting Bracket.

The D8129 connects to a panel using the 12 VDC Auxiliary output, Serial Data Output, and Common terminals. Radionics recommends a minimum of 22 AWG wire for all module connections. The D8129 *Operation and Installation Manual* (74-04562-000) provides detailed installation and module configuration instructions.

### Ordering Information

Model	Description
D8129	Octo-Relay Module
D137	Mounting Bracket
D138	Mounting Bracket

## Electrical Specifications

Operating Voltage	12 VDC supplied by the control/communicator
Operating Current	Minimum - 20 mA Maximum - 320 mA (all relays energized)
Wiring	16 to 22 AWG from control/communicator to D8129
Relay Contact Rating	Form C dry contact (1.0 Amp at 12 VDC). During pulsed output, relay maintains closure for about 1 second.

## Operational Data

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.

## Dimensions

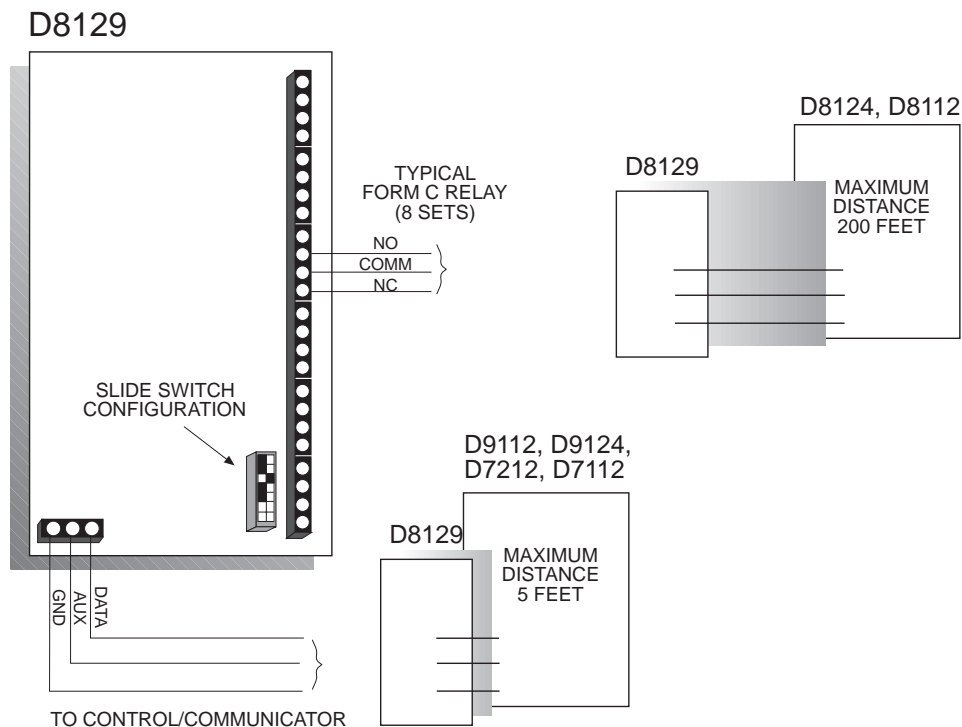
5.0" L x 3.0" W x .75" D

## Specifications

The contractor shall furnish and install the Radionics D8129 Octo-Relay Module where indicated on the plans. The D8129 shall be UL listed and suitable for use with Radionics Fire Alarm and Security Alarm Control/Communicators. The D8129 shall be configured to perform functions consistent with those indicated and detailed in the General provisions of the specification. The unit shall include 8 Form C, relays. The contacts shall each be rated for 1.0 Amp at 12 VDC.

The D8129 shall be installed in the control/communicator enclosure or other approved enclosure. All wiring shall conform to applicable codes and the requirements of the authority having jurisdiction.

## Wiring Information



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