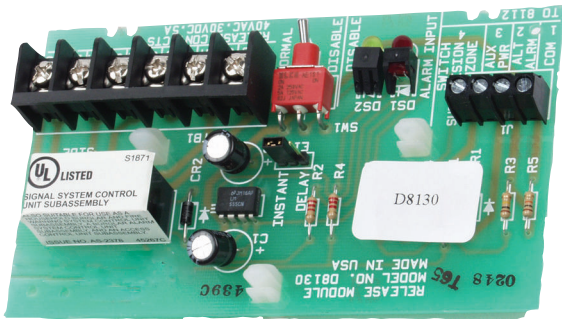


D8130 Door Release Module

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Invented for life



- ▶ Two Form C (5 A rated) contacts
- ▶ Remotely controls fire system devices
- ▶ Instant or delayed relay activation and restoral
- ▶ Relay closure follows indicating circuit duration
- ▶ Disable switch supervised for system testing

The D8130 Door Release Module is an accessory for fire alarm control panels (FACPs) that controls system functions commonly required in National Fire Prevention Association (NFPA) 72 fire alarm installations. Two independent Form C dry contacts, each rated at 5 A, connect low-voltage circuits to magnetic door holders, pilot relays, or contactor units for function control.

Typical applications are:

- releasing fire doors, emergency exit doors, and stairwell doors
- elevator recall
- HVAC control

Functions

Contact Activation

The control panel indicating output activates the contacts of the D8130. A red Alarm Input LED indicates contact activation.

The duration of the contact activation follows the programmed indicating circuit time. Use a jumper to set the contact activation to be instant or delayed by 14 sec when there is an alarm condition. With the delay option selected, a 14 sec delay also occurs upon restoral. This delay feature is useful for momentary bell tests.

If the user silences the alarm output, the D8130 contacts deactivate. Latching features must be provided for pilot relays or contactor units requiring control beyond the programmed indicating device time or after manual silencing of the indicating circuits.

Supervised Disable Switch

To facilitate fire alarm installation testing, the D8130 Module contains a supervised disable switch that prevents operation of the relay contacts. An amber Disable LED indicates when the switch is in the disable position. Connect one or more D8130 modules to any unused 1 k Ω zone or point of the control panel to detect module disabling.

A trouble is indicated when the D8130 switch is in the disable position, and a restoral signal is sent when the switch is returned to the normal position. (Refer to the control panel's *Program Entry Guide* for details on programming a trouble signal for an open or short condition.) When the contacts are activated with the switch in the normal position, no trouble indications are sent to the control panel.

Release Contact Outputs

A normally-open (NO) terminal, a normally-closed (NC) terminal, and a common (COM) terminal are provided for each D8130 contact. In the inactive state of the contact, the NC terminal has continuity with the COM terminal. In the active state of the contact, the NO terminal has continuity with the COM terminal.

Certifications and approvals

Complies with NFPA 72

Region	Certification	
USA	UL	AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UOJZ: Control Units, System (UL864, 9th edition), UTOU: Control Units and Accessories - Household System Type (UL985)
	CSFM	see our website
	FDNY-CoA	6174
	NYC-MEA	12-92-E, Vol. 12 12-92-E, Vol. 12
	NYC-MEA	12-92-E, Vol. XV

Installation/configuration notes

Compatible Products

The following products are compatible with the D8130 Release Module:

Category	Product ID	Product Description
Control Panels	G Series*	Control panels
	D9412	Control panel
	D7412	Control panel
	D7212**	Control panel
	D9124	Addressable fire alarm control panel
Modules	D191C	Bell supervision module
	D192G	Notification Appliance Circuit (NAC) Module

* G Series included B9512G, B8512G, D9412GV4, D8412GV4, D7212GV4**, D9412GV3, D8412GV3, D7212GV3**, D9412GV2, D8412GV2, D7212GV2**, D9412G, D8412G, D7212G**

** The D7212 models are **not** listed for commercial fire applications.

Mounting Considerations

The D8130 Door Release Module mounts in the control panel enclosure or in a separate approved enclosure. Up to four modules can be installed using the mounting locations provided.



Notice

Use a D138 Mounting Bracket to mount the D8130 in the D9124 FACP.

Wiring

Use the following table to determine correct contact wire size:

Maximum Wire Impedance: 6 Ω	
Distance (maximum)	Wire Size
350 ft	22 AWG
800 ft	18 AWG

Parts included

Quant.	Component
1	Door release module
1	Hardware pack
1	Literature pack

Technical specifications

Mechanical Properties

Dimensions (H x W x D):	5 in. x 3 in. x 0.75 in. (12.7 cm x 7.6 cm x 1.9 cm)
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Outputs

Relays:	Two Form C dry contact
Relay Rating:	5.0 A at 30 VDC maximum for resistive loads

Power Requirements

Current

Alarm:	60 mA maximum
Contacts Disabled:	15 mA
Standby:	7 mA

Voltage

Nominal:	12 VDC nominal
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Ordering information

D8130 Door Release Module

Provides two independent Form C dry contacts, each rated at 5 A, to connect low-voltage circuits to magnetic door holders, pilot relays, or contactor units for function control
Order number **D8130**

Accessories

D137 Mounting Bracket

Used to mount accessory modules in D8103, D8108A, and D8109 enclosures.
Order number **D137**

D138 Mounting Bracket, Right Angle

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

Order number **D138**

P105F EOL Resistor

A 1 k Ω , 0.5 W end-of-line resistor. Supplied in packages of eight.

Order number **P105F**

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