1 | Overview

The D130 Auxiliary Relay Module is an accessory for use with Bosch Security Systems, Inc. control panels. (For additional information, refer to your control panel documentation.) This module has a 12 V/24 V relay with two sets of non-latching Form C contacts. The D130 allows the system to switch larger amounts of current or different voltages that are beyond the control panel's auxiliary power rating, or the rating of modules such as the D8129 Octo-relay Module or the B308 Octo-output Module.

Use the D130 with a D125B Dual Class B Initiating Module and a 24 VDC power supply to interrupt power to 24 V smoke detectors with the Sensor Reset function at a keypad.
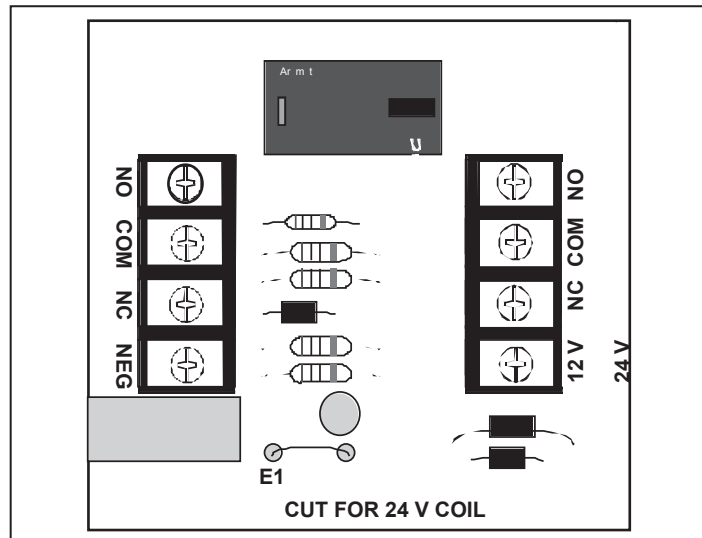

Figure 1.1: D130 Auxiliary Relay Module overview

The D130 uses a 12 V or 24 V power source to power its coil. The relay can be energized by switching the 12/24 V or the NEG side of the relay coil. When the contacts are in the inactive state, the normally closed (NC) terminal has continuity with the common (COM) terminal. In the active state, the normally open (NO) terminal has continuity with the COM terminal. A red LED indicates the coil of the relay is energized.

2 | Mount the module

Mount the module into the enclosure's 3-hole mounting pattern using the supplied mounting screws and mounting bracket. Refer to *Figure 2.1*.

Mounting the module:
1. Using the two supplied #4 screws, attach the D130 to the supplied three-hole mounting bracket.
2. Align the mounting bracket and module.
3. Using the three supplied #8 screws, secure the mounting bracket and module through either side of the control panel enclosure.
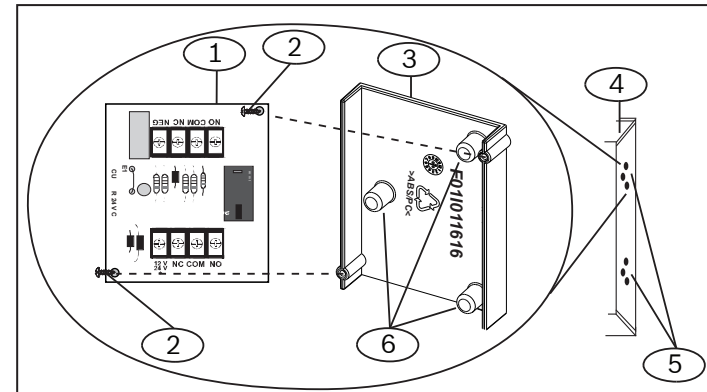

Figure 2.1: Mounting the D130

Callout — Description
1 — Module
2 — #4 screw
3 — Mounting bracket
4 — Control panel enclosure wall
5 — Mounting locations
6 — #8 screw holes for mounting to enclosure inside wall

3 | Wire the module

Wire the module to the control panel and other devices using the figures in this section.

> **NOTICE!**
> For system supervision, do not use looped wire under the terminals. Break the wire run to provide supervision of the connections.

> **NOTICE!**
> Run all non-power limited wiring at least 0.25 in (0.64 cm) from power limited wiring.
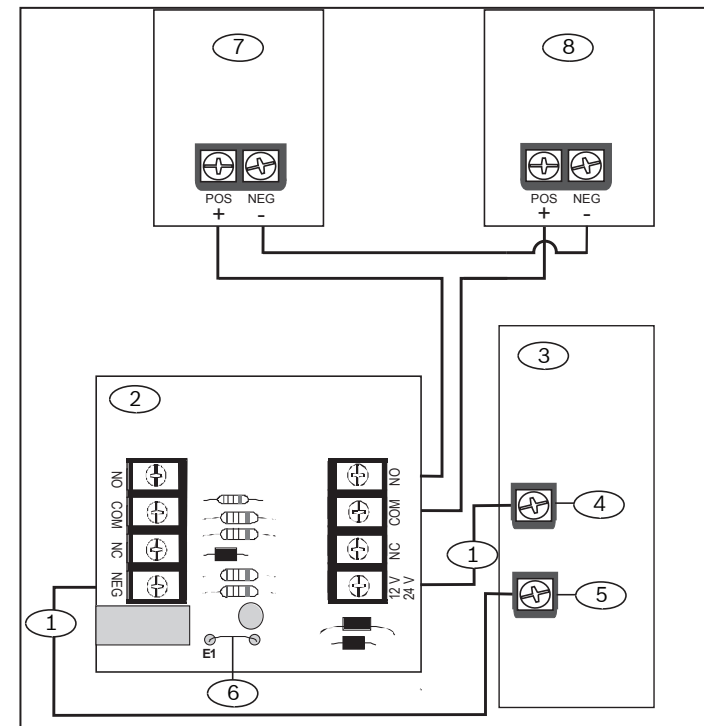
3.1 | Wire for switched auxiliary power devices

Figure 3.1: Wiring a D130 with 12 VDC or 24 VDC power supply for switched auxiliary power devices

Callout — Description
1 — Power limited, supervised
2 — D130 module
3 — Control panel
4 — 12 VDC* switched AUX power terminal
5 — COM terminal (of the control panel)
6 — Jumper E1 not cut*
7 — External 12 VDC or 24 VDC power supply**
8 — Device requiring 12 VDC or 24 VDC switched auxiliary power
* If power output is 24 VDC, cut Jumper E1. ** When using ground fault detect, do not reference the external power supply negative terminal to earth ground.

3.2 | Wire with a D125B Dual Class B Inititating Module

> **NOTICE!**
> To supervise the loops, install an end-of-line (EOL) resistor beyond the last detector of each protective loop. If you are replacing a D125 or D125A module with the D125B, you can use the 1.5 kΩ resistor installed with the original system. If you are installing a D125B in a new system, or in an existing system and adding additional devices, use the 1.8 kΩ resistor (P/N: 15-03130-006) supplied with the module.

> **NOTICE!**
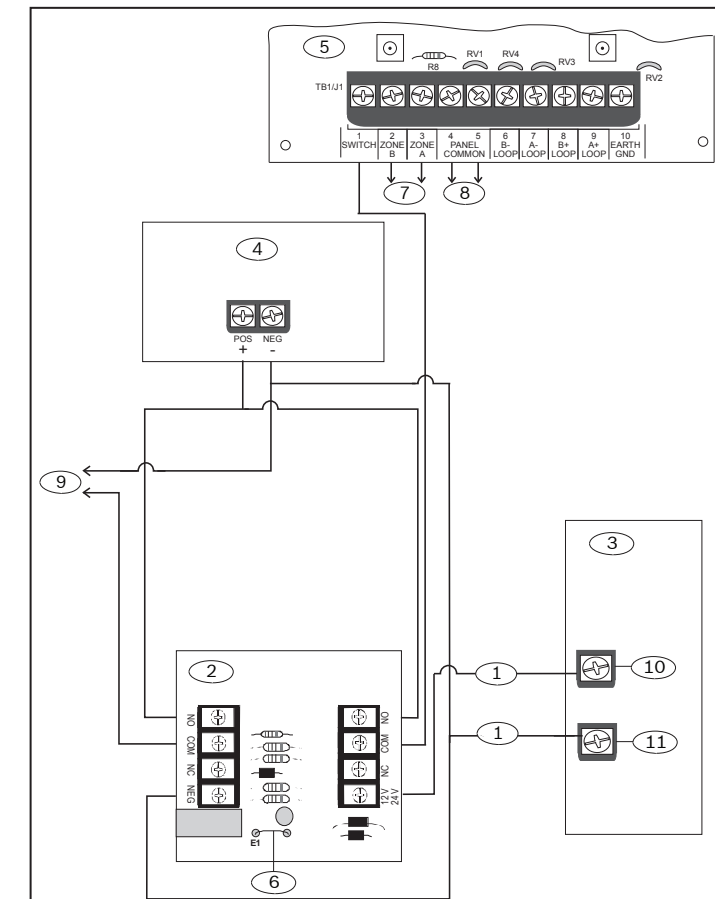> Refer to the *D125B Installation Instructions* (P/N: F01U036340) for more information.

Figure 3.2: Wiring a D130 with 12 VDC or 24 VDC power supply and a D125B

Callout — Description
1 — Power limited, supervised
2 — D130 module
3 — Control panel
4 — External UL Listed 12 VDC or 24 VDC regulated power supply*
5 — D125B Dual Class A Initiating Module
6 — Jumper E1 not cut**
7 — To on-board point or expansion module***
8 — Connect only to one common at the control panel
9 — To additional D125B Dual Class A Initiating Module
10 — 12 VDC** switched Aux power terminal
11 — COM Terminal
* When using ground fault detect, do not reference the external power supply negative terminal to earth ground. ** If power output is 24 VDC, cut Jumper E1. *** A D8128D OctoPOPIT Module or a B208 Octo-input Module can be used.

NOTICE!
Refer to the *D125B Installation Instructions* (P/N: F01U036340) for more information.

After any programming or hardware change, perform a functional test of the system as required by local codes.
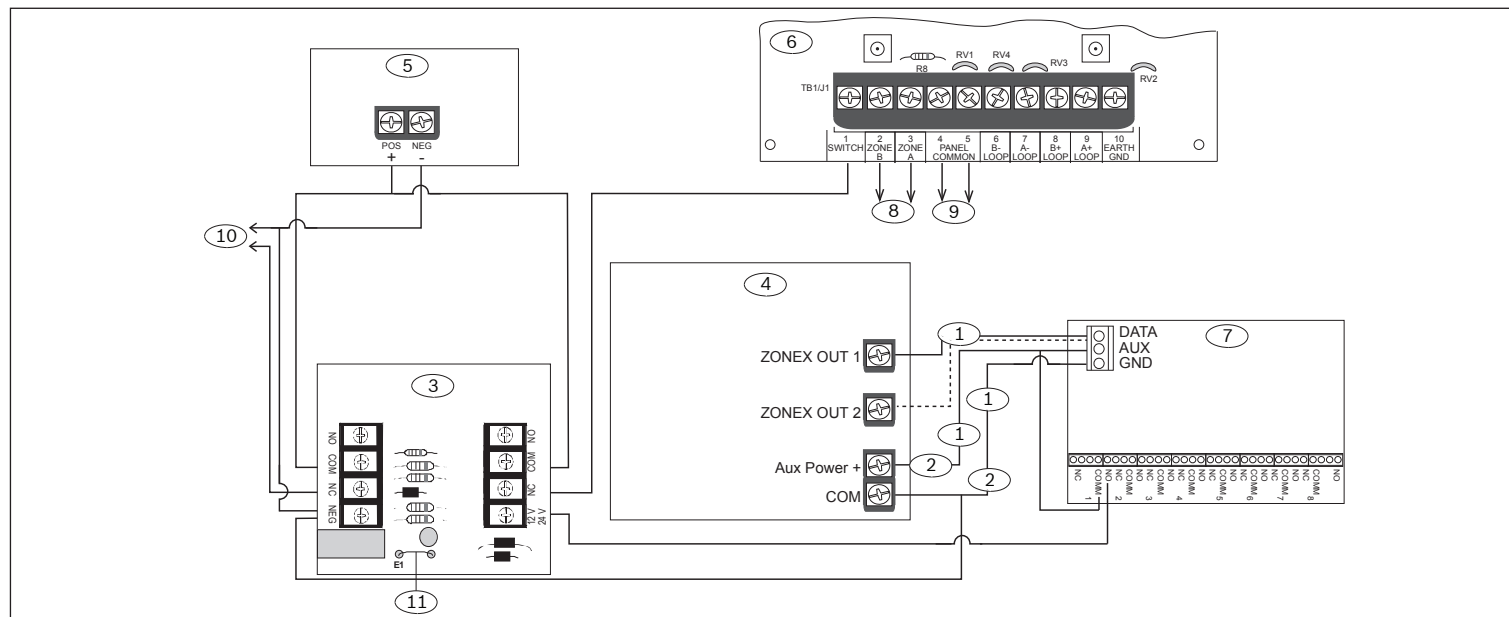

Figure 3.2: Wiring a D130 with 12 VDC or 24 VDC power supply and the D125B and an expansion module

Callout — Description
1 — Power limited
2 — Supervised
3 — D130 module
4 — Control panel* (ZONEX 2 available on D9412GV4/D9412GV3/D9412GV2/D9412G/D9412/D9112/D9112B1 only)
5 — External UL Listed 12 VDC or 24 VDC regulated power supply**
6 — D125B Dual Class A Initiating Module
7 — D8129 Octo-relay Module*
8 — To on-board point or expansion module***
9 — Connect only to one common at the control panel
10 — To an additional D125B Powered Loop Interface Module
11 — Jumper E1 not cut****

* When using an SDI2 control panel, use a B308 Octo-output Module and SDI2 wiring instead of the D8129 and ZONEX wiring.
** When using ground fault detect, do not reference the external power supply negative terminal to earth ground.
*** A D8128D OctoPOPIT Module or a B208 Octo-input Module can be used.
**** If power output is 24 VDC, cut Jumper E1.

4 | Certifications

Region	Certification	
US	UL	APOU: Proprietary Alarm Units (UL1076), UOJZ: Control Units, System (UL864 10th Edition)
	CSFM	7167-1615: 100 7165-1615:0242 7165-1615:0238 7165-1615:0119 7167-1615:0239
	NYC-MEA	12-92-E, Vol. II 12-92-E, Vol. II 12-92-E, Vol. 12 12-92-E, Vol. 12 12-92-E, Vol. 15 12-92-E, Vol. 15
	FDNY-CoA	6059

5 | Specifications

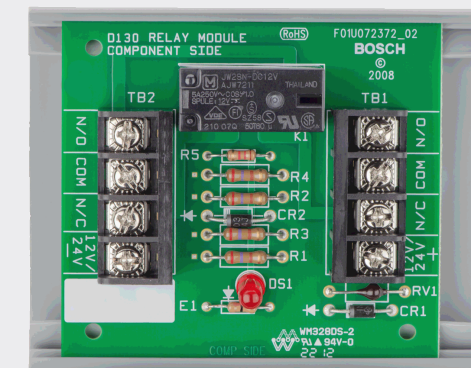|	
Dimensions	70 mm x 76 mm (2.75 in x 3.0 in)
Relay	5 A @ 30 VDC maximum 10 A @ 5 VDC minimum
Current Max	60 mA Standby 60 mA Alarm
Power input	Nominal 12 VDC with jumper intact Nominal 24 VDC with jumper cut
Power supplies	UL864 10th Edition Listed auxiliary 12 VDC or 24 VDC regulated, power limited power supply for Fire Protective Signaling Units and Commercial/Residential Burglar Units
Fire or control panel wiring	Maximum distance - Wire size (maximum resistance: 1 Ω): 60 ft (18 m) - 22 AWG (0.65 mm) 160 ft (48 m) - 18 AWG (2 mm)
Compatible control panels	All Bosch Security Systems, Inc. control panels and FACPs

Trademarks
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Bosch Security Systems B.V. product manufacturing dates
Use the serial number located on the product label and refer to the Bosch Security Systems B.V. website at http://www.boschsecurity.com/datecodes/.

Auxiliary Relay Module
D130

BOSCH