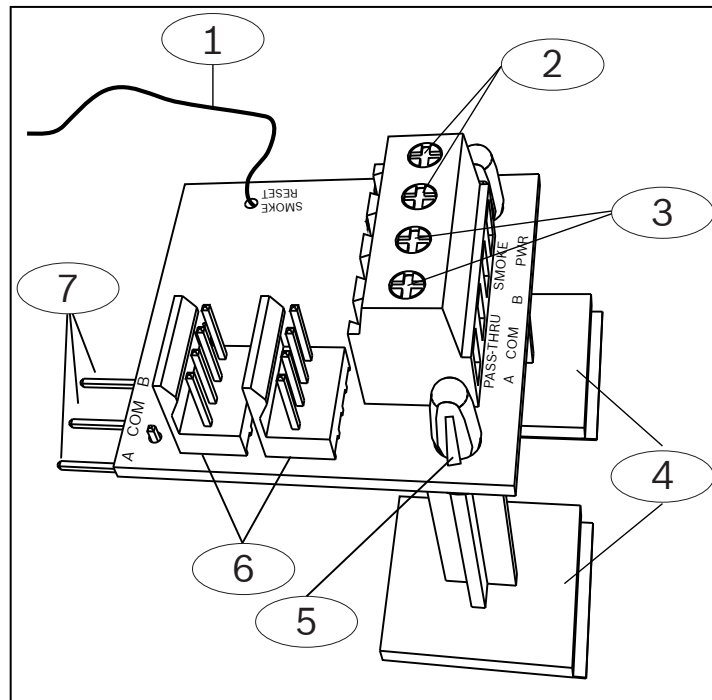


1 | Overview

This 2-wire Powered Loop Module provides a single powered initiating device circuit.



Callout – Description

1 – Smoke reset wire
2 – Wiring terminals (to smoke detector, burg device, or D132A)
3 – Non-powered terminals, direct pass-thru of point 7
4 – Standoffs with adhesive pads (shown installed)
5 – Standoff lock (positioned fully on top of the module board when properly installed)
6 – Interconnect wiring connectors (to control panel or other modules)
7 – Connection pins (to control panel terminal block)

2 | Installation

The module installs using the connection pins. The standoffs with adhesive pads (included) help secure the module in the enclosure.



CAUTION!

Remove all power (AC and battery) before making any connections. Failure to do so might result in personal injury and/or equipment damage.

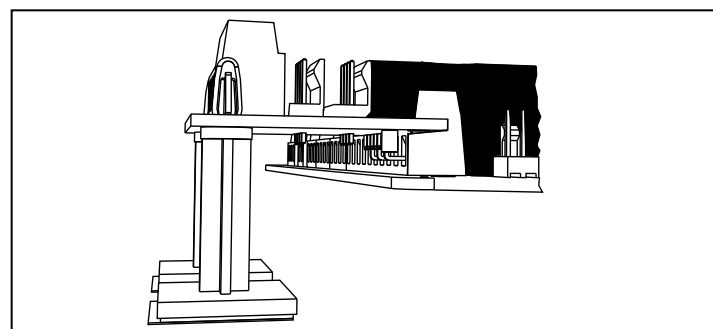
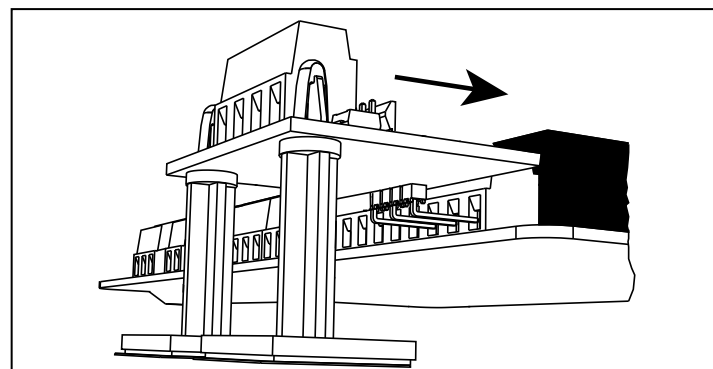
2.1 | Install the standoffs

Remove the standoffs from packaging and place the standoff's locking end through the holes as shown in Figure 1.1. Press the standoffs into the board until correctly attached.

2.2 | Connect the module

Use the connection pins to connect the module to the inputs on the control panel (inputs 7 and 8 recommended). Refer to the following illustrations.

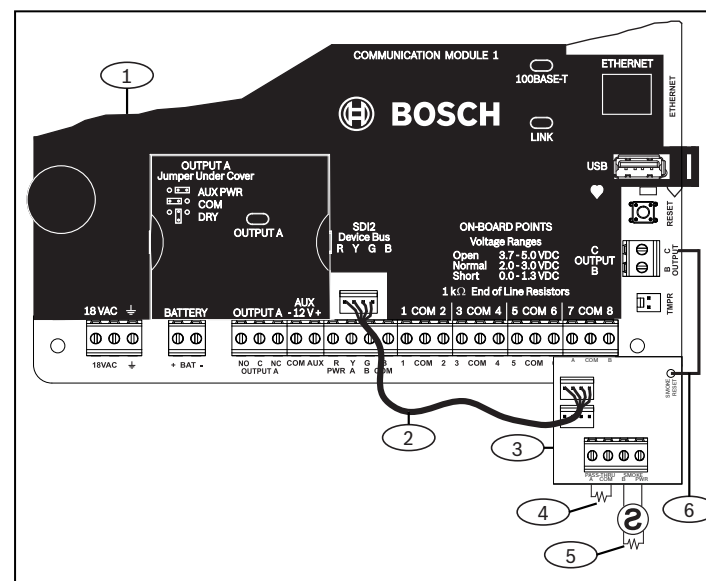
1. Remove the backing from the standoffs to reveal the adhesive.
2. Align the module connection pins to the inputs.
3. Slide the module so that the connection pins are fully inserted.
4. Gently apply pressure to the standoffs to attach the adhesive to the enclosure.



2.3 | Wire to the control panel and a 2-wire smoke detector

Complete a standard installation by wiring the module. Use the supplied interconnect cable to wire to the control panel. Interconnect wiring parallels the PWR, A, B, and COM control panel terminals. Refer to Figure 2.3.

1. Connect the smoke reset wire to OUTPUT B or C on the control panel. By default, OUTPUT C is programmed for Reset Sensors.
2. For power, connect the interconnect cable (included) from the module interconnect connector to the control panel interconnect connector.
3. Connect a 1 kΩ EOL resistor (supplied with the control panel) to A and COM, and connect the detector to B and PWR. Use a 1.8 kΩ resistor.



Callout – Description

1 – Control panel
2 – Interconnect wiring
3 – Module
4 – 1 kΩ EOL resistor (P/N: F01U026703)
5 – 1.8 kΩ EOL resistor (P/N: F01U009011)
6 – Smoke reset wire

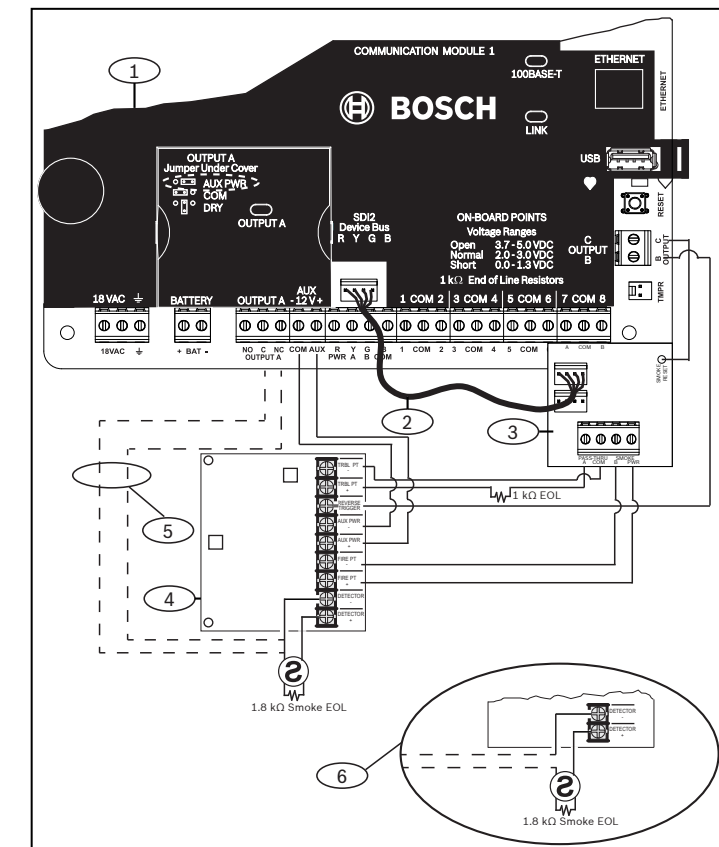


NOTICE!

When connecting multiple SDI2 modules, you can use the unused interconnect connector to wire modules in series.

2.4 | Wire with a D132A

For installations requiring a D132A, refer to the following illustration.



Callout – Description

1 – Control panel
2 – Interconnect wiring
3 – B201
4 – D132A
5 – Wiring for Pulsing or Temporal Code 3 (optional)
6 – Proper wiring from the D132A to the 2-wire smoke when configured with optional wiring (callout 5)

3 | Supervision

The powered loop uses a 1.8 kΩ EOL for loop supervision. The EOL also supervises the module because removal puts the point into trouble.

4 | Configuration and test

Use Remote Programming Software (RPS) to program the control panel to use the module and connected points.

For programming parameter descriptions, options, and defaults refer to *RPS Help* or the *Program Entry Guide* for your control panel.

After module installation and any control panel programming, perform a complete system test. A complete system test includes testing the control panel, all devices, and communication paths for proper operation.

5 | Compatible detectors

Manufacturer	CTN	Detector identifier	Base	Base identifier	Detectors/ points
Bosch/ Radionics	D263/D263TH	B	N/A	N/A	20
	D263THS*/D263THC	B	N/A	N/A	20
	D285/D285TH	A or B	D287/D288	A	20
	D286	A or B	D287/D288	A	20
	D603/D604/D605	A or B	D287/D288	A	20
Detection Systems	DS230/DS230F/DS233F	A or B	MB2W or MB2WL	A	20
	DS250/DS250TH	A or B	MB2W or MB2WL	A	20
	DS260	A or B	MB2W or MB2WL	A	20
	DS282/DS282TH	B	N/A	N/A	20
	DS282THS/DS282THC	B	N/A	N/A	20
Bosch	F220-P/F220-PTH/F220-PTHC	A	F220-B6	A	20
	F220-135/F220-135F/F220-190F	A	F220-B6	A	20
ESL/UTC	429C	S10A	N/A	N/A	20
	429CRT	S11A	N/A	N/A	20
	429CST*	S11A	N/A	N/A	20
	429CT	S10A	N/A	N/A	20
	511C	S10A	N/A	N/A	20
	711U/711UT	S10A	701 E, 701 U, 702E, 702U	S00	20
	713-5U	S10A	701 E, 701 U, 702E, 702U	S00	20
	721 UT	S10A	702E, 702U	S00	20
	731 U	S11A	702E, 702U, 702RE, 702RU	S00	20
System Sensor	2W-B, 2WT-B	A	N/A	N/A	20
	2WTA-B	A	N/A	N/A	20
	5151	A	B110LP, B110RLP, B401	A	20

* Compatible with the D132A Smoke Detector Reversing Relay Module.

6 | Specifications

Dimensions	1.42 in x 1.42 in x 1.48 in (36 mm x 36 mm x 37.6 mm)
Voltage (input)	12 VDC nominal
Current	18 mA in standby mode 35 mA in alarm mode
Operating temperature	0°C to +50°C (+32°F to +122°F)
Relative humidity	5% to 93% at +32°C (+90°F) non-condensing
2-wire smoke loop thresholds	- Alarm: >13.5 mA - Supervised + detectors: 5 mA – 10.5 mA - Trouble: < 4 mA
2-wire smoke loop wiring	50 Ω 0.65 mm (22 AWG) – 1500 ft (457 m) 1.02 mm (18 AWG) – 3900 ft (1188 m)
Compatibility	B6512 B5512/B5512E v2.01 or higher B4512/B4512E v2.01 or higher B3512/B3512E v2.01 or higher

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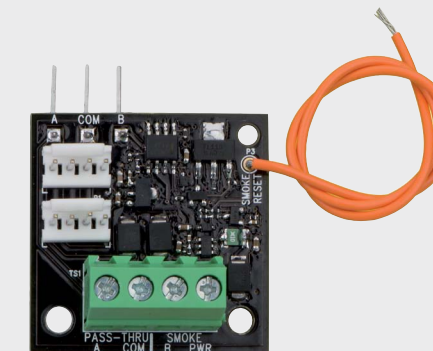
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2-wire Powered Loop Module B201



en Installation Guide

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