

## 1 | Overview

The B430 Plug-in Telephone Communicator provides communication over the PSTN (Public Switched Telephone Network) by directly connecting the module to the control panel. The module provides a single telephone jack and easily installs into an on-board connector.

You can program, diagnose, and troubleshoot the system from the control panel keypad as well as remotely through RPS.

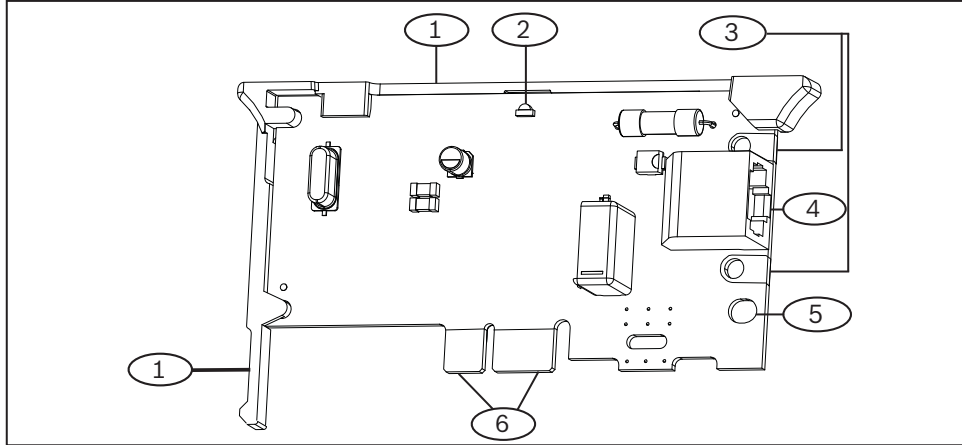


Figure 1.1: Module overview

### Callout – Description

1 – Module handle and support leg
2 – Line seize/ring LED
3 – Test phone pads
4 – RJ45 phone connector
5 – Plug-in module retention clip opening
6 – PCB metal contacts

## 2 | Install or remove the module



### NOTICE!

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 module

The control panel communicates with and provides power to the module through the plug-in connection. Proper installation results in the necessary electrical and mechanical connection.

Installing the module:

1. With the module facing the control panel as shown below, insert the support leg into the support hole labeled X.
2. Align the PCB metal contacts with the on-board connector.
3. Push the module into place. The retention clip snaps closed and secures the module in place.

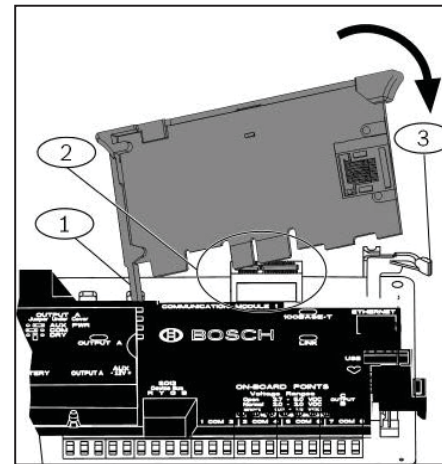


Figure 2.1: Module installation

### Callout – Description

1 – Support leg inserted into the control panel support hole labeled X
2 – PCB metal contacts resting on the on-board connector
3 – Plug-in module retention clip

## 2.2 | Wire the module

Connect one end of a compatible telephone cord to the B430, and connect the other end to an RJ31X or RJ38X phone jack that is connected to the phone line. The module has pads on both sides of the board to connect a telephone test set. Refer to *Figure 2.2*.

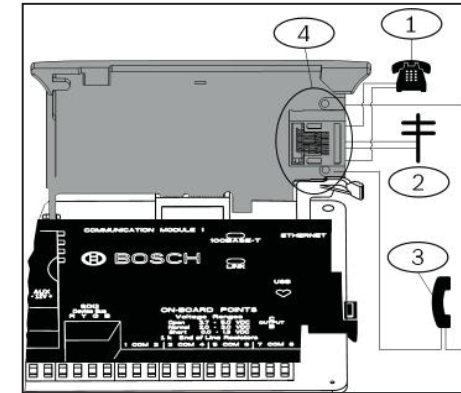


Figure 2.2: Wiring the module

### Callout – Description

1 – Premises telephone
2 – Incoming Telco line
3 – Installer telephone test set
4 – RJ45 phone connector

## 2.3 | Remove the module

To remove an installed module, hold the plug-in module retention clip open with one hand while grasping the top corners of the module support handle with your other hand. Pull the module out.

### 3 | LED descriptions

The module uses a green LED to indicate when the circuit is on or off the hook or the phone line is ringing. Refer to *Table 3.1*.






Flash pattern	Function
OFF Steady 	Standby
ON Steady 	Line seize
Flash   	Ring detect

Table 3.1: Diagnostic LED flash patterns

### 4 | Configuration

Use Remote Programming Software (RPS) or an SDI2 keypad to program the control panel to use the module for communication.

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

### 5 | Certifications

Region	Certification
US	UL 365 - Police Station Connected Burglar Alarm Units and Systems UL 636 - Holdup Alarm Units and Systems UL 864 - Control Units and Accessories for Fire Alarm Systems (Commercial Fire) UL 985 - Household Fire Warning System Units UL 1023 - Household Burglar Alarm System Units UL 1076 - Proprietary Burglar Alarm Units and Systems UL 1610 - Central Station Burglar Alarm Units FCC Part 15 FCC Registration Number: ESVAL00BB430 Ringer Eq: 0.0B
Canada	CAN/ULC S303 - Local Burglar Alarm Units and Systems CAN/ULC S304 - Signal Receiving Centre and Premise CAN/ULC S545 - Residential Fire Warning System Control ICES-003 - Information Technology Equipment (ITE) ULC-ORD C1023 - Household Burglar Alarm System Units ULC-ORD C1076 - Proprietary Burglar Alarm Units and System

### 6 | Specifications

Dimensions	2 in x 3.68 in x 0.60 in (50 mm x 93.5 mm x 15.25 mm)
Voltage (operating)	12 VDC nominal
Current (maximum)	Standby: 24 mA Alarm: 24 mA
Operating temperature	+32°F to +120°F (0°C to +49°C)
Relative humidity	5% to 93% at +90°F (+32°C)
Communication speed	2400 baud maximum
Compatibility	B9512G/B9512G-E B8512G/B8512G-E B5512/B5512E B4512/B4512E B3512/B3512E



### Plug-in Telephone Communicator B430



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