B444 Conettix Plug-in 4G LTE Cellular Communicator

The cellular communicator enables secure two-way IP communication over the Verizon 4G LTE cellular network by plugging into a compatible control panel or communicator interface. Typical applications are:

- Alarm reporting to a central station
- Remote control panel programming through Remote Programming Software with supported control panels
- Remote monitoring and control through a mobile application with supported control panels
- Personal notification using SMS for compatible control panels

**Notice**

Cellular capability requires an Installer Services account and appropriate data plan.

**Secure Conettix IP communication from compatible Bosch panels to Bosch receivers using Verizon 4G LTE cellular network**

**Remote programming and monitoring of compatible Bosch panels**

**Personal SMS message and e-mail notification options**

**Direct configuration from Bosch Remote Programming Software (RPS) eliminating the need for separate configuration**

**Simple LED status information and advanced keypad diagnostics available with easy 2 step plug-in installation, troubleshooting, and maintenance**

**System overview**

<table>
<thead>
<tr>
<th>Callout</th>
<th>Description</th>
<th>Callout</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cellular communicator</td>
<td>7</td>
<td>Remote PC’s network connection</td>
</tr>
<tr>
<td>2</td>
<td>Compatible control panel</td>
<td>8</td>
<td>Remote PC running RPS</td>
</tr>
<tr>
<td>3</td>
<td>Antenna cable</td>
<td>9</td>
<td>Personal SMS notification</td>
</tr>
<tr>
<td>4</td>
<td>Magnetic base antenna</td>
<td>10</td>
<td>Ethernet connection</td>
</tr>
</tbody>
</table>
Functions

**Activation**
The B444 module is shipped pre-activated. The B444-C module needs to be activated. Activate the module by emailing: installer.services@us.bosch.com, or by call Bosch Installer Services at: 800-289-0096, option 6.

**Conettix IP communication via Cellular**
In addition to the security provided by the network operator, the cellular communicator uses our Conettix IP protocol that supports:
- Flexible polling intervals
- Resistance to Denial of Service attacks
- 128-bit to 256-bit AES encryption with Cypher Block Chaining
- Anti-replay/anti-substitution keys

**Easy Installation, troubleshooting, and maintenance**
- No networking expertise required at field site (no firewall or router settings)
- No PC or special tools required for installation and troubleshooting
- Service plans and settings managed through RPS
- Diagnostic LEDs for on-site troubleshooting

### LED Function

<table>
<thead>
<tr>
<th>LED</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue (heartbeat)</td>
<td>System status indicator</td>
</tr>
<tr>
<td>Red</td>
<td>Unacceptable signal strength</td>
</tr>
<tr>
<td>Yellow</td>
<td>Marginal signal strength</td>
</tr>
<tr>
<td>1 Green</td>
<td>Good signal strength</td>
</tr>
<tr>
<td>2 Green</td>
<td>Very good signal strength</td>
</tr>
</tbody>
</table>

**Remote programming of Bosch control panels**
The cellular communicator supports secure RPS programming of compatible Bosch control panels.

**Personal notification and control**
The cellular communicator supports the Bosch Remote Security Control mobile application and can be configured for SMS personal notification reports to mobile phones or e-mail addresses.

**Remote Connect Service Support**
Remote Connect Service enables a secure control panel connection to remote programming software (RPS) using Bosch Cloud services. The service allows a secure TLS connection to a control panel without specific port and router settings and without a static IP or DNS.
Commercial Fire and Burglary applications
Approved for Commercial Fire/Burglary applications as sole, primary, or secondary communications path when the system is installed to the NFPA-72 specification

Technical specifications

Electrical
- Current (operating): Standby: 35 mA
  Alarm: 100 mA
- Voltage (operating): 12 VDC nominal
- Radio: Verizon LTE CAT 1 Band 4 and 13

Environmental
- Environment: Environmental Class III - Indoor
- Relative humidity: 5 - 93% at +32°C (+90°F) non-condensing
- Operating temperature: 0°C to +49°C (+32°F to +120°F)

Mechanical
- Board dimensions: 2 in x 3.68 in x 0.60 in (50 mm x 93.5 mm x 15.25 mm)
- Antenna (included): Magnetic base omni-directional
  - 8.2 ft (2.5 m) cable with SMA connector

Ordering information

B444 Conettix Plug-in 4G LTE Cellular Communicator
Pre-activated 4G LTE cellular communicator for secure two-way IP communication on the Verizon Wireless LTE network.
Order number B444

B40-P Outdoor puck antenna, cell, 6.5ft
Order number B40-P

B40-MB50 Outdoor multiband antenna, cell, 50ft
Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands. Includes a 50 ft (15.2 m) cable, and a mounting bracket.
Order number B40-MB50

B40-MB25 Outdoor multiband antenna, cell, 25ft
Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands. Includes a 25 ft (7.6 m) cable, and a mounting bracket.
Order number B40-MB25

B444-C Plug-in cell module, VZW LTE, cold
Non-activated 4G LTE cellular communicator for secure two-way IP communication on the Verizon Wireless LTE network.
Order number B444-C