

# Universal Cellular Communicator BGS-210



## Features That Make a Difference:

- Contact ID/SIA to text messages conversion
- Integrated antenna
- Remote programming by BOSS
- Direct communication with CMS
- 3 programmable terminals (input/output)
- PC Link connector for local programming
- Connector for optional external antennas

## Breathe New Life into Legacy Panels

### Upgrade Legacy Alarm Panels to Cellular Connectivity

Landline connectivity is rapidly disappearing from the residential and small business markets. As consumers abandon their landlines for mobile phones and carriers switch from PSTN to VoIP networks, it's becoming critical to upgrade customers with landline-only alarm systems to cellular connectivity.

With the BGS-210 universal cellular communicator, you can upgrade almost any legacy PSTN panel to GSM. This solution is a cost-effective way to enhance your customers' security, make their systems smarter and extend the life of their panels.

### Strengthen Alarm System Security

With cellular communications, there is no risk of an intruder cutting the phone line – since there is no physical line.

- Alerts can always be sent to the monitoring service or owner

### Make Alarm Systems Smarter

The BGS-210 offers customers advanced functionality that makes their lives easier and more comfortable. This universal cellular communicator, in fact, provides:

- Remote arm/disarm, using a mobile device
- Basic smart home features, such as control of smart light switches
- Useful information on what is happening. Thanks to the innovative decryption function of any Contact ID and SIA codes into clear text messages, it is possible, in fact, to have real-time detailed notifications of the system status and the alarm, tamper and fault events.
- Communication over 2G networks with the monitoring providers using Sur-Gard or any other receivers connected to the PSTN line

### Extend Panel Life & Reduce Costs

Empower customers to enhance their security and convenience without the expense of a new security system.

- Upgrade budget-conscious customers to more secure, smarter intrusion protection
- Enable customers without landlines to continue using their PSTN-only panels
- Provide an option for lower-cost cellular communication where available

## Key Specifications

- 2G Quad Band\*
- Simulates land line
- Switches automatically to GSM Network in the event of land line trouble (line down)
- GSM signal indicator
- 3 programmable terminals as inputs or outputs
- Land line overvoltage protection
- Integrated antenna on board
- SMS dialer
- Forwarding of Contact ID and SIA events of the control panel to Sur-Gard System I/II/III/IV/5 receivers, over GPRS
- GPRS/Internet communication with receivers Sur-Gard System I/II/III/IV/5
- PC-programmable options
- 26 text messages, each with a maximum length of 70 characters (2 for each input line plus 6 for status indications and 1 periodic)
- 8 telephone numbers (max. 16 digits) programmable for the SMS dialer
- 8 telephone numbers (max. 16 digits) programmable for event transmission to Sur-Gard receivers
- Up to 32 telephone numbers (max. 16 digits) programmable for the remote activation of outputs
- Remote activation of the outputs through caller identification and/or text messages
- Credit balance check for pre-paid SIM cards
- Panel Transmission Monitoring (PTM)
- Tamper and wall-tamper detection
- PC-LINK connector
- Local and remote programming and FW upgrade
- Forwarding of Contact ID events of the control panel to PSTN receiver, over GSM
- Programmable priority between PSTN/Cellular
- Two way voice communication on the cellular
- Jamming detection

## Technical Features

|  |   |
|--|---|
| Input voltage  | 10.7 to 27.6 Vdc                          |
| Standby average current  | 90 mA (not including outputs) @ 13.8 Vdc  |
| Average current consumption per hour   | 100 mA                                    |
| Maximum current drawn  | 450 mA (not including outputs) @ 13.8 Vdc |
| Maximum current on open-collector output                                     | 100 mA                                    |
| Operating frequency (MHz)  | 900/1800<br>850/1900                      |
| Maximum loop resistance of line between the device connected in series on LI | 1 Kohm                                    |
| Maximum number of parallel devices connected on LI                           | 1   |
| Environmental class  | II  |
| Operating Temperature  | -10 to +40 °C                             |
| Humidity   | 0 to 95%                                  |
| Dimensions (WxHxD)   | 101x186x41 mm                             |
| Weight   | 250 g                                     |

## Model

**BGS-210:** 2G communicator, plastic cabinet

For product information

[www.bentelsecurity.com](http://www.bentelsecurity.com)

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