BENTEL SECURITY
From Tyco Security Products

Universal Cellular Communicator
BGS-220 / B3G-220



Features That Make a Difference:

- 2G and 3G versions
- CiD to voice messages function and CiD to SMS message function
- Stand-alone and KIT versions
- EN50136 approved
- Integrated antenna
- Remote programming by BOSS
- Direct communication with CMS
- 6 programmable terminals (input/output)
- USB port for local programming
- Connector for optional external antennas
- Optional li-Ion battery for 6 hours autonomy

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-220/B3G-220 universal cellular communicator, you can upgrade almost any legacy PSTN panel to GSM/3G. 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-220/B3G-220 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 vocal messages or SMS, 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 and 3G networks with the monitoring providers using Sur-Gard or any other receivers

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

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Key Specifications

- Simulates land line
- Switches automatically to GSM Network in the event of land line trouble (line down)
- GSM signal indicator
- 6 programmable terminals as open collector outputs or input lines
- Land line overvoltage protection
- GSM Quad-Band (HSPA dual-band) o 3G cellular communicator
- Integrated antenna on board (cabinet versions)
- External antenna with magnetic base (Kit versions)
- SMS/Voice dialer
- Supports Contact ID communication format from a connected control panel for communication over the GPRS network
- GPRS/Internet communication with receivers Sur-Gard System I-IP/II/III/5
- PC-programmable options
- 32 SMS messages, each with a maximum length of 100 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 phone numbers programmable for Contact ID dialer on GPRS
- Up to 32 telephone numbers (max.16 digits) programmable for the remote activation of the OC output
- Remote activation of the outputs through caller identification and/or SMS transmission
- Credit balance check for pre-paid SIM Cards
- Panel Transmission Monitoring (PTM)
- Integrated tamper switches
- PC-LINK connector
- USB type A connector (Host and Device) - only cabinet versions
- Programming through USB memory stick - only cabinet versions
- Advanced diagnostic and LOG recording
- Local and remote programming and FW upgrade
- Alarm event transmission over GSM/GPRS/HSPA
- Programmable priority between PSTN/Cellular
- Two way voice communication on the cellular
- Optional backup battery on cabinet versions
- Anti-jamming

Model	BGS220-K	B3G220-K/EU	BGS220	B3G220/EU
Input Voltage	10.7 to 27.6 V_			
Standby average current, without battery	90 mA (not including outputs) @ 13,8 V_			
Maximum current drawn in current limited mode	230 mA (not including outputs) @ 13,8 V_			
Maximum current drawn	450 mA (not including outputs) @ 13,8 V_			
Outputs	6 open-collector, 100 mA			
Operating frequency (MHz)	900/1800 850/1900	GSM: 900/1800 UMTS: 900/2100	900/1800 850/1900	GSM: 900/1800 UMTS: 900/2100
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)	76x151x20 mm (PCB only)		101x186x41 mm	
Weight	66 g		250 g	

Models

BGS-220: 2G communicator, plastic cabinet

B3G-220/EU: 3G communicator 900/1800 MHz bands, plastic cabinet

BGS-220K: kit including 2G communicator, 2 mt cable antenna, adapter and metal bracket

B3G-220K/EU: kit including 3G communicator 900/1800 MHz bands, 2 mt cable antenna, adapter and metal bracket

MKTSSBLEBGS-220

For product information
www.bentelsecurity.com

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