Universal Cellular Communicators

Breathe New Life into Legacy Panels

Features That Make a Difference:

- 2G and 3G versions
- CID to voice message, CID to Push and CID to SMS message functions
- Stand-alone and KIT versions
- EN 50136 approved
- Integrated antenna
- Remote programming by BOSS / DLS 5
- 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

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 universal cellular communicator, you can upgrade almost any legacy PSTN panel to 2G/3G and, using Connect Alarm User App, you can bring new life to legacy panels adding remote App control for arming, disarming and check the status. 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.

Communications channels are backed up, ensuring that alerts will always be sent to the monitoring service or home owner.

Make Alarm Systems Smarter

The universal cellular communicator offers customers advanced functionality that makes their lives easier and more comfortable. This universal cellular communicator provides:

- Remote arm/disarm, using a mobile device, by SMS or through user app
- Basic smart home features, such as control of lights or appliances through dry contacts outputs
- Useful information on what is happening. Thanks to the innovative decryption function of any Contact ID and SIA codes into clear vocal messages, SMS or push notification, it is possible 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 and PowerManage receivers
- Specific templates for easily controlling Bentel Kyo control panels from the User App

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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

- Simulates land line
- Switches automatically to cellular network in the event of land line trouble (line down)
- Cellular signal strength indicator
- 6 programmable terminals as open collector outputs or input lines
- Land line overvoltage protection
- 2G or 3G cellular communicator
- Integrated antenna (cabinet versions)
- External antenna with magnetic base (kit versions)
- Voice and SMS communicator over 2G and 3G cellular networks
- Supports Contact ID communication format from a connected control panel for communication over the 2G and 3G cellular networks
- Cellular/Internet communication with receivers Sur-Gard System I-IP/II/III/5 and PowerManage version 4.6 or higher
- Option to control through ConnectAlarm user app
- 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 communicator
- 8 phone numbers programmable for Contact ID communication to PSTN receivers
- Up to 32 telephone numbers (max.16 digits) programmable for the remote activation of the outputs
- Remote activation of the outputs through caller identification and SMS messages
- 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 2G and 3G cellular networks
- Programmable priority between PSTN and Cellular
- Two way voice communication on the cellular
- Optional backup battery on cabinet versions
- Anti-jamming
- Remote programming of PowerSeries NEO panels via cellular network (Pass-Through)

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Specifications

Model	GS4005-K	3G4005-K	BGS-220, GS4005	B3G-220, 3G4005
Input Voltage	from 10.7 to 27.6 Vdc	from 10.7 to 27.6 Vdc	from 10.7 to 27.6 Vdc	from 10.7 to 27.6 Vdc
Standby average current, without battery	90 mA (not including outputs) @ 13.8 Vdc	90 mA (not including outputs) @ 13.8 Vdc	90 mA (not including outputs) @ 13.8 Vdc	90 mA (not including outputs) @ 13.8 Vdc
Maximum current drawn in current limited mode	230 mA (not including outputs) @ 13.8 Vdc	230 mA (not including outputs) @ 13.8 Vdc	230 mA (not including outputs) @ 13.8 Vdc	230 mA (not including outputs) @ 13.8 Vdc
Maximum current drawn	450 mA (not including outputs) @ 13.8 Vdc	450 mA (not including outputs) @ 13.8 Vdc	450 mA (not including outputs) @ 13.8 Vdc	450 mA (not including outputs) @ 13.8 Vdc
Outputs	6 open-collector, 100 mA	6 open-collector, 100 mA	6 open-collector, 100 mA	6 open-collector, 100 mA
Operating frequency (MHz)	2G: 850/900/1800/1900	2G: 850/900/1800/1900 3G: 850/900/1900/2100	2G: 850/900/1800/1900	2G: 850/900/1800/1900 3G: 850/900/1900/2100
Maximum loop resistance of line between the device connected in series on LI	1 Kohm	1 Kohm	1 Kohm	1 Kohm
Maximum number of parallel devices connected on LI	1	1	1	1
Environmental class	II	II	II	II
Operating Temperature	from -10 to +40°C	from -10 to +40°C	from -10 to +40°C	from -10 to +40°C
Humidity	from 0 to 95%	from 0 to 95%	from 0 to 95%	from 0 to 95%
Dimensions (WxHxD)	76x151x20 mm (PCB only)	76x151x20 mm (PCB only)	101x186x41 mm	101x186x41 mm
Weight	66 g	66 g	250 g	250 g

Models

Bentel Security - BGS-220: 2G communicator, plastic cabinet

Bentel Security - B3G-220: 3G communicator, plastic cabinet

DSC - GS4005: 2G communicator, plastic cabinet

DSC - GS4005-K: kit including 2G communicator, 2 mt cable antenna, adapter and metal bracket

DSC - 3G4005: 3G communicator, plastic cabinet

DSC - 3G4005-K: kit including 3G communicator, 2 mt cable antenna, adapter and metal bracket

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