tyco | **Bentel Security**

RAS | AIS

Universal Dual Path Communicator
BLE-320

Upgrade Legacy Alarm Panels to Cellular and IP 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 and IP connectivity.

With the universal dual path communicator BLE-320, you can upgrade almost any legacy PSTN panel to LTE and IP 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.

Breathe New Life into Legacy Panels

Key Features

- 4G LTE and Ethernet/IP communication channels
- CiD to voice message, CiD to Push and CiD to SMS message functions
- 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

Strengthen Alarm System Security

With cellular and IP communication, 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 BLE-320 offers customers advanced functionality that makes their lives easier and more comfortable. This universal dual path 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 LTE and IP 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 and IP communication where available

Key Specifications

· Simulates land line

· Switches automatically to GSM network and / or IP 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

· 4G LTE cellular communicator

· Integrated antenna on board

· SMS/Voice dialer

· CID to Push notification

· Supports Contact ID communication format from a connected control panel for communication over the LTE and IP network

· Cellular / IP 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 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 outputs

· 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)

· Programming through USB memory stick

· Advanced diagnostic and LOG recording

· Local and remote programming and FW upgrade

· Alarm event transmission over LTE and IP

· Programmable priority between PSTN and Cellular/IP

· Two way voice communication on the cellular

· Optional backup battery

· Anti-jamming

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Specifications

Model	BLE-320
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)	2G: 900/1800 3G: 900/1800/2100 4G/LTE: 700/800/900/1800/2100/2600
Maximum loop resistance of line between the device connected in series on Ll	1 Kohm
Maximum number of parallel devices connected on Ll	1
Environmental class	II
Operating Temperature	-10 to +40 °C
Humidity	0 to 95%
Dimensions (WxHxD)	208x155x62 mm
Weight	500 g

Models

BLE-320: LTE + Ethernet communicator in plastic cabinet

Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit www.johnsoncontrols.com or follow us on Facebook, Twitter, and LinkedIn.