

Universal Dual Path Communicator

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/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 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, 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.

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 universal dual path communicator 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

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 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
- Voice and SMS communicator over 4G LTE cellular network
- Integrated antenna
- 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
- Ethernet Interface
- PC-LINK connector
- USB type A connector (Host and Device)
- Programming through USB memory stick
- Advanced diagnostic and LOG recording
- Customizable default settings through USB key
- 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
- Remote programming of PowerSeries NEO panels via cellular network and Ethernet (Pass-Through)

Specifications

Model	BLE-320, TL405LE-EU, VLE-320	TL405LE-LAU
Input Voltage	from 10.7 to 27.6 Vdc	from 10.7 to 27.6 Vdc
Standby average current, without battery	110 mA (not including outputs) @ 13.8 Vdc	110 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
Maximum current drawn	470 mA (not including outputs) @ 13.8 Vdc	470 mA (not including outputs) @ 13.8 Vdc
Outputs	6 open-collector, 100 mA	6 open-collector, 100 mA
Operating frequency (MHz)	2G: 900/1800 3G: 900/2100 4G/LTE: 700/800/900/1800/2100/2600	2G: 850/900/1800/1900 3G: 850/900/1700/1900/2100 4G/LTE: 700/850/900/1700/1800/1900/ 2100/2300/2600
Maximum loop resistance of line between the device connected in series on LI	1 Kohm	1 Kohm
Maximum number of parallel devices connected on LI	1	1
Environmental class	II	II
Operating Temperature	from -10 to +40°C	from -10 to +40°C
Humidity	from 0 to 95%	from 0 to 95%
Dimensions (WxHxD)	101x186x41 mm	101x186x41 mm
Weight	250 g	250 g

Models

Bentel Security - BLE-320: LTE + Ethernet communicator in plastic cabinet

DSC - TL405LE-EU: LTE + Ethernet communicator in plastic cabinet, EMEA

DSC - TL405LE-LAU: LTE + Ethernet communicator in plastic cabinet, LATAM and APAC

Visonic - VLE-320: LTE + Ethernet communicator in plastic cabinet

Johnson Controls

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