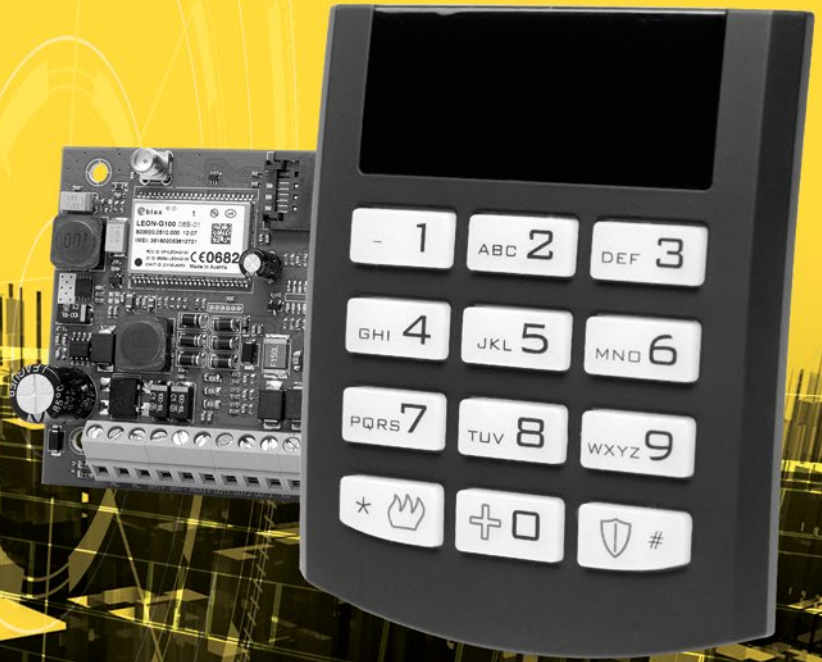
NEW!

CPX200N CONTROL PANEL

FUNCTIONAL / SIMPLE / CUSTOMISED BY YOU

COMING SOON
APPLICATION FOR
SMARTPHONE



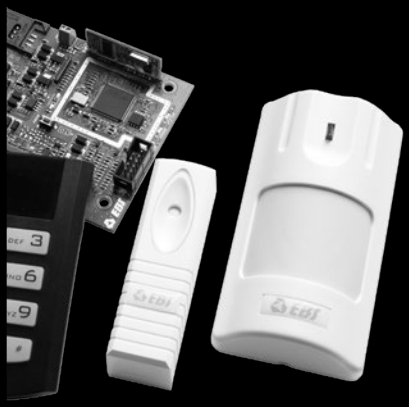
NOW ALSO IN WIRELESS VERSION

CALYPSO

WIRELESS
CONTROL PANEL
INTEGRATED WITH
GSM/GPRS
COMMUNICATOR

EBS

CREATING A SENSE OF SECURITY
SINCE 1989



THE CPX200N CONTROL PANEL

is a device that meets the basic requirements for the protection of a small and medium-sized objects. Simple functionality, service and fast installation are the main advantages of our control panel. Small dimensions and modern design of keypad, 7 zones possible to grouping into two partitions make CPX200N one of the best solution on the market.

For more demanding , we created a CALYPSO system that reliably meets the requirements of more complex objects. Both panels support up to 3 keypads, so the alarm can be armed / disarmed from 3 different places. It is important especially in offices, service points where there are backdoors or in single-family houses with balcony doors, garages.

With the use of wireless, dedicated detectors, you don't need to distribute meters of cables. You can in easy way put the detector anywhere. **CALYPSO** system can be operated via nine 4-button remote controls, which functionality can be freely configured. Arm / disarm the system by radio is confirmed each time by buzzer.

CALYPSO supports up to 16 lines, including 9 wireless. In each of our panel is the ability to divide the inputs into 2 zones. User can assign any number of lines to each zone. There will be available soon the application on the mobile phone.

Currently our control panels make it possible to program the SMS messages of up to 10 different users.

IN SHORT:

	CPX200N	CALYPSO
Transmission	GPRS	GPRS
SMS to monitoring station	YES	YES
Wired zones	7	7
Wireless zones	-	9
Partitions	2	2
Supported keypads	3	3
Key fob	-	YES, max 9 pcs
Remote control	YES, with SMS, GPRS	YES, with SMS, GPRS or using application for smartphone

Control panels produced by EBS meets the requirements of EN 50131, Grade 2.

Our systems give you **warranty** of

- reliable data transmission (GPRS communicator integration), AES encryption
- quick and easy configuration
- customised solution

Application

- small and medium-sized objects, such as offices, commercial premises, houses, small industrial buildings, garages and holiday houses

Guarantee of quality and functionality in a small and medium-sized objects, where you need fast installation without unnecessary wiring.

CALYPSO SYSTEM INCLUDES:

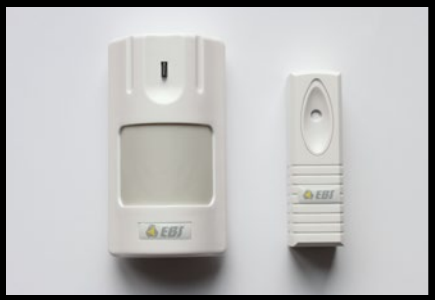
Wireless sensors integrated with **CALYPSO** system:

The **MC-10** wireless magnetic contact allows detection of opening doors/windows.

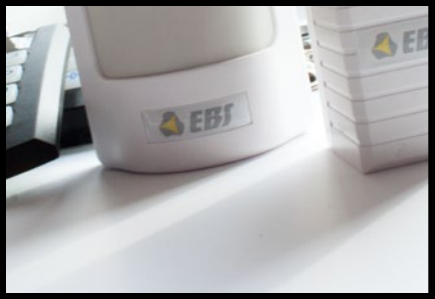
- Low power consumption
- Supervisory signal every 15 minut
- Tamper signal if open cover
- Battery status control (low-power signal)
- Max transmission distance: 300 m (open space)
- Size: detector 85x26x32 mm / magnet 64x13x13 mm

The **PIR-10** wireless motion detector allow a motion detection in restricted areas.

- Lithium battery 3V: life cycle 12 months in normal working conditions.
- Dual passive infrared detection technology.
- Temperature compensation.
- Improved immunity to false alarms.
- Improved resistance to white light interference (optical Fresnel lens).
- Improved resistance to fluorescence interference.
- Supervisory signal every 15 min.
- Low power consumption.
- Battery status control (low-power signal)
- Max transmission distance: 300 m (open space)
- Size: 105x58x38 mm



RC-10 Remote control with four programmable buttons.



TECHNICAL PARAMETERS

CPX200N (wired) & CALYPSO (wireless) parameters	
Transmisson channels	GPRS, SMS
Wired zones	7
Wired zones type	NO / NC / EOL-NO / EOL-NC / DEOL-NO / DEOL-NC
Response types of zones	- instant - delay - 24h burglary - arming / disarming - 24h tamper - interior delay - 24h burglary silent
Partitions	2
Outputs	**1 monitored** alarm output, OC type, high-current (max. current 1.1A) **2 monitored** alarm outputs, OC type, low-current (max. current 50mA)
Output functions (ways of control)	- alarm - standby indicator - power supply fault - communication loss - GSM jamming indicator
Power output +12V	**1 signalling** device output (max. current 350mA) **1 detectors** output (max. current 350mA) **1 keypad** output (max. current 100mA)
Keypads	max. 3
Users (admin / installer / user)	1 / 1 / 8 (possible remote administration of users)
Users SMS	YES, 10 diferent phone numbers
Events bufer	min. 500
Quantity of system / technical events stored in history	min. 2000
Timestamp event	YES
GPRS/SMS transmission security	AES encryption
Status LEDs (functions)	3 LEDs (GSM signal level, device state and faults)
Buttons (functions)	2 buttons (startup without mains power supply, restore default codes)
Configuration	**Remote:** GPRS, SMS, CSD **Local:** PC through RS232 (required cable: GD-PROG)
Remote firmware update	YES
GSM module	u-blox LEON-G100 (GSM 850/900/1800/1900 MHz)

Power supply parameters - PCB (without casing)	Voltage supply	18V_{AC} (acceptable: 16-20V_{AC})
	Required transformer power	min. 20VA
	Power consumption (average / max)	120mA/1100mA@18V_{AC} (avarage mesured: fully charged battery, established connection with server, connected keypad, no sensors connected)
	Average current consumption; lack of external supply (without keypad / with keypad / with 3 keypads)	60mA/85mA/135mA (fully charged battery, no sensors connected, established connection with server)
Power supply parameters - PCB in casing	Voltage supply	230V_{AC} (acceptable: 190-250V_{AC})
	Power consumption (average / max)	3W/20W@230V_{AC}
Charging module functions		- protection against reverse battery connection - AC failure signalization - low battery/no battery signalization - protection against short circuit battery output - polymer fuse
Backup battery connection		YES, lead-acid 12V
Battery charging current		max. 350mA
Charging voltage		13,8V
Threshold of signaling low battery voltage		11V_{DC}
Cut-off battery voltage level		below 9V
Dimension		PCB: 152 x 78 x 30mm PCB in plastic casing: 265 x 255 x 85mm
CALYPSO (wireless) parameters		
Radio		YES, 433.92MHZ (ENCODED TRANSMISSION WITH HOPPING CODE)
Wiresless zones		9
Remote controls		max. 9

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