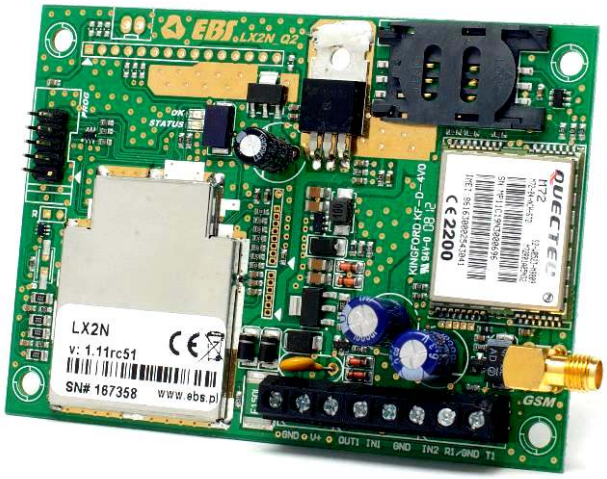
CREATING A SENSE OF SECURITY
SINCE 1989

LX2N

New transmitter for the real time packet data transfer through GSM networks via GPRS and SMS channels.



LX2N was designed for customers who value the **high quality** offered at an **attractive price**.

LX2N transmitters are used mainly as the transfer module from security systems. Devices co-operate with all of the most popular alarm systems. Usage of the packet data transfer (GPRS) allows to reduce the alarm system functioning costs

LX transmitters are offered independently or in sets with casing, AC adapter and battery. Support for devices in monitoring station is carried out by Monitoring System Receiver OSM.2007. It is offered in the form of independent receiver ensuring complete transfer reliability thanks to redundancy, which protects receiving system if part of the system is damaged, or as a server software for Windows.

EBS Ltd.
59 B. Czecha St.
04-555 Warsaw
tel. +48 22 812 05 05
fax +48 22 812 62 12
www.ebs.pl
sales@ebs.pl

CREATING A SENSE OF SECURITY
SINCE 1989

FEATURES AND BENEFITS OF LX2N:

COMFORT OF SERVICE AND WIDE RANGE OF FUNCTIONALITY

- **Remote configuration**
  - simple and fast reconfiguration via SMS, GPRS or CSD
- **Telephone line simulation and DTMF receiving (ContactID, Ademco Express)**
  - flexible co-operation with alarm control panels equipped with dialer that allow on e.g. monitoring of inputs / outputs
- **Wejście telefoniczne w standardzie DTMF (ContactID, Ademco Express)**
  - współpraca z centralami alarmowymi wyposażonymi w dialer umożliwiającą m.in. monitorowanie wejść/wyjść
- **Sending of text messages of any desired content to the 5 defined cellphone numbers**
  - immediate signification of the alarm situations occurrence
- **System event history**
  - evidence up to 5000 events enabling to diagnose of possible problems
- **Device status monitor**
  - diagnostic mode for the installer

DATA SECURITY

- **Encryption of transmitted data by AES standard**
  - full data transfer safety
- **Authorization for configuration and steering text messages**
  - protection against unauthorized device access
- **GSM/GPRS link control**
  - automatic retrieving of the connection with the monitoring station
- **Reserve server servicing**
  - transmission protection in case of a server damage

ENERGY AND COSTS SAVING

- **Sent text messages quantity control, incoming messages retransmission**
  - supervision over transmission costs
- **Steering via CLIP**
  - costless output connection

EBS Ltd.
59 B. Czecha St.
04-555 Warsaw
tel. +48 22 812 05 05
fax +48 22 812 62 12
www.ebs.pl
sales@ebs.pl

CREATING A SENSE OF SECURITY
SINCE 1989

TECHNICAL PARAMETERS OF **LX2N** TRANSMITTER

Transmisson channels		GPRS, SMS
Inputs		1 (NO/NC) + 1 SAB (NO/NC)
Phone input compatible with DTMF standard		YES
Protocols supported on the phone input		ContactID, Ademco Fast, DTMF
Outputs		1 (OC,max. load 100mA)
Output functions (ways of control)		- unavailable GSM signal - GSM jamming (only with ublox LEON-G100) - from server or through SMS - incoming CLIP - in reaction on inputs
Power output +12V		NO
Serial interface		NO
Alarm events buffer size		-
Quantity of system events stored in history		5000
Timestamp event		-
GPRS/SMS transmission security		AES encryption
Status LEDs (functions)		2 LEDs (GSM signal level, device state, DTMF comunication)
Configuration		Remote: GPRS, SMS, CSD
		Local: PC through RS232 (required cable: GD-PROG)
Remote firmware update		NO
Remote access to the control panels		NO
Supported modems		- Quectel M72 (2 band, GSM900, DSC1800) - uBlox LEON-G100
Power supply parameters - PCB (without casing)	Voltage supply	13,8VDC (acceptable: 12-14VDC)
	Power consumption (average / max)	60mA/350mA@13,8VDC
Power supply parameters - PCB in casing	Voltage supply	230VAC (acceptable: 190-250VAC)
	Power consumption (average / max)	3W/20W@230VAC
Charging module functions		In version: PCB in casing - fast battery charging mode - protection against excessive discharge - 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, (in version: PCB in casing), lead-acid 12V
Battery charging current		PCB in casing: max. 200mA or max. 1A
Threshold of signaling low AC voltage (at secondary / at primary)		13.5VAC / 160VAC (in version: PCB in casing)
Threshold of signaling low battery voltage		11VDC (in version: PCB in casing)
Cut-off battery voltage level		9,5VDC (in version: PCB in casing)
Dimension		PCB: 102 x 73 x 35mm
		PCB in plastic casing: 265 x 255 x 85mm

EBS Ltd.
59 B. Czecha St.
04-555 Warsaw
tel. +48 22 812 05 05
fax +48 22 812 62 12
www.ebs.pl
sales@ebs.pl