

Technical Data

EX20

EX20 parameters		
Transmission channels		ETHERNET (IEEE 802.3; 10Mbps/100Mbps; DHCP/Static IP; LAN/WAN)
Inputs		4 (NO/NC) + 1 SAB (NO/NC)
Phone input compatible with DTMF standard		YES
Outputs		2 (OC, max. load 100mA)
Output functions (ways of control)		- absence of TCP/IP connection - from server - in reaction on inputs
Serial interface		RS232 / RS485 (lines: RxD, TxD, RTS, CTS) transmission speed up to 115200bps
Quantity of system events stored in history		5000
GPRS/SMS transmission security		AES encryption
Status LEDs (functions)		4 LEDs (connection status, device state, DTMF communication)
Configuration		Remote: ethernet
		Local: PC through RS232 (required cable: LX-PROG)
Remote firmware update		YES
Power supply parameters - PCB (without casing)	Voltage supply	13,8 V _{DC} (acceptable: 12-14 V _{DC})
	Power consumption (average / max)	140mA@13,8V _{DC}
Power supply parameters - PCB in metal casing	Voltage supply	230V _{AC} (acceptable: 190-250V _{AC})
	Power consumption (average / max)	4W/20W@230V _{AC}
Charging module functions (in version PCB in metal 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, lead-acid 12V
Battery charging current		max. 200mA or max. 1A
Threshold of signaling low AC voltage (at secondary / at primary)		13,5V _{AC} / 160V _{AC}
Threshold of signaling low battery voltage		11V _{DC}
Cut-off battery voltage level		9,5V _{DC}
Dimensions		PCB: 102 x 73 x 35mm
		PCB in metal casing: 255 x 255 x 90mm

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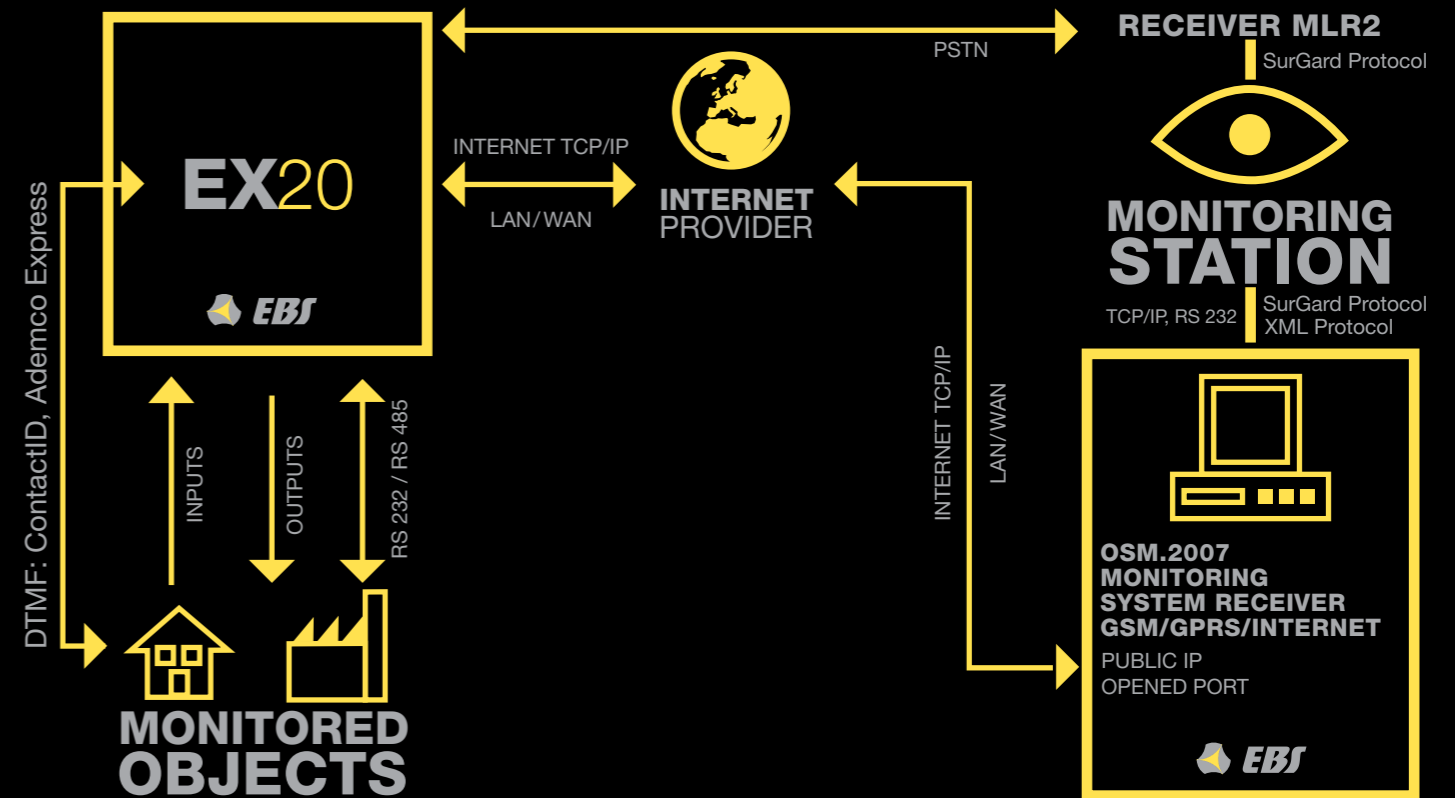
REAL TIME ETHERNET TRANSMITTER



CREATING A SENSE OF SECURITY
SINCE 1989

- **EX20 transmitters are modern devices for real time internet data transmission.**
- **EX20 transmitters are used mainly as the transfer module from security systems. Devices co-operate with all of the most popular alarm systems.**
- **Transmitters work both with static IP and DHCP. They operate in LAN & WAN, using IEEE 802.3 10Mbps/100Mbps standards.**

- The possibility of EX20 application is much broader. They can be applied everywhere where there exists a necessity to collect information and send them over distance in real time. Thanks to the intuitive and flexible configuration they may be applied in systems with specific requirements ex. energy consumption measurements, vending machines control systems, meteorological station, elevator systems and many others.
- EX20 transmitters are offered independently or in sets with metal casing, AC adapter and accumulator. 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.



- » **Remote configuration and firmware upgrade**
comfortable servicing and time savings
- » **Encryption of transmitted data by AES standard**
full data transfer safety
- » **Complex telephone line simulation circuit and DTMF receiving (ContactID, Ademco Express)**
flexible co-operation with alarm control panels equipped with a dialer and telephone exchanges of various manufacturers
- » **System event history**
evidence up to 5000 events enabling to diagnose of possible problems
- » **Device status monitor**
diagnostic mode for the installer
- » **Embedded RS232/RS485 serial interface**
co-operation with industrial devices

- » **Reserve server servicing**
transmission protection in case of a server damage
- » **Automatic lock of inputs**
protection against generating needless costs

