JA-101KR-LAN Control panel with built-in GSM/GPRS and LAN communicators and radio module

The JA-101KR-LAN is the basic element of the JABLOTRON 100+ security system. It enables flexible system setting and the easy protection of small commercial premises, houses, cottages, offices in a bus design, in a wireless or combined design. Module JA-111R is built-up in the CP.

Description

The required adjustments and sizing of the system are carried out via F-Link software

The JA-101KR-LAN control panel offers:

o up to 50 wireless or bus zones
o up to 50 user codes
o up to 8 sections
o up to 16 programmable PG outputs
o 20 independent schedules
o SMS and voice reports from the system to up to 8 users
o Remote control via SMS, voice menu and the MyJablotron portal
o 4 adjustable ARCs
o 5 selectable ARC profiles

The control panel has built-in GSM/GPRS and LAN communicators that enable voice, SMS, GPRS and LAN communication with end users and ARCs. It is equipped with a 4 GB memory card for saving the data of events, voice messages, saving photos etc.

The control panel has:

o 1 terminal for bus connection
o 1 internal connector dedicated to the radio module (JA-111R)
o 1 LAN connector
o 1 USB connector for control panel setting and transferring photos
o 1 connector for connecting another communicator or module (e.g. PSTN)

Technical specifications

Control panel power supply	~ 230 V/50 Hz, max. 0.1 A, with T200 mA fuse ~ 110 V to 120 V/60 Hz, max. 0.2 A, with T400 mA fuse, protection class II
Back-up battery	12 V; 2.6 Ah
Maximum battery charging time	72 h
BUS voltage (red-black)	12.0 to 13.8 V

Max. continuous consumption from the control panel	400 mA permanently	
	1000 mA for 5 minutes	
Max. continuous consumption for backing up 12 hours	Without GSM communicator	LAN – OFF – 123 mA LAN – ON – 78 mA
	With GSM communicator	LAN – OFF – 103 mA LAN – ON – 58 mA
Max. continuous consumption for backing up 24 hours	Without GSM communicator	LAN – OFF – 37 mA LAN – ON – Not possible
	With GSM communicator	LAN – OFF – 17 mA LAN – ON – Not possible
Max. number of devices	50	
LAN communicator	Ethernet interface (LAN versions only)	
Dimensions	258 x 214 x 77 mm	
Weight	1250 g	
Reaction to invalid code entry	Alarm after 10 wrong code entries	
Event history	approx. 7 million latest events, incl. date and time	
Power supply unit	type A (EN 50131-6) T 031 note: In case of a main power failure is the system backed up for 24 hours and at the same time is a failure report sent to the ARC.	
2G GSM communicator	850 / 900 / 1800 / 1900 MHz	
3G GSM communicator	2100 MHz	
Environmental class	class II, indoor general according to EN 50131-1	
Operational temperature range	-10 °C to +40 °C, relative humidity 75%	
Classification	Security grade 2 according to EN 50131-1, EN 50131-3, EN 50131-6, EN 50131-10, EN 50131-5-3, EN 50136-1, EN 50136-2	
Operating frequency (with the JA-11xR module)	868.1 MHz	
Radio emissions	ETSI EN 300 220-2 (module R), ETSI EN 301 419-1, ETSI EN 301 511 (GSM)	
EMC	EN 50130-4 ed. 2, EN 55022 ed. 3, ETSI EN 301 489-7	
Safety	EN 60950-1	
Operational conditions	ERC REC 70-03, ERC DEC (98) 20	
Certification body	TREZOR TEST: (JA-101K, JA-101K-LAN, JA-106K), ANPI: INCERT T014(A) (JA-101K, JA-106K)	
Caller's identification	ETSI EN 300 089	