JA-106K GSM Control panel with built-in GSM/GPRS/ LAN communicator

The JA-106K is a JA-100 alarm system control panel. It offers flexible settings and allows the smart protection of bigger family houses, offices, companies and apartment complexes. The settings are programmed by F-Link SW.

o **Declaration of conformity - JA-106K (PDF 700.66 kB)**

Description

The JA-106K offers

o up to 120 wireless or BUS hardwired zones
o up to 300 user codes
o up to 15 sections
o up to 32 programmable outputs
o 20 independent calendars
o the system reports to 30 users by SMS
o 15 users have option of voice and SMS reporting
o 5 ARC settings
o 4 selectable reports to ARC

It has a built-in GSM/GPRS and LAN communicator on the board offering communication by voice, SMS or GPRS to end users or to ARC centers. It is equiped with a 1 GB memory card on the board for saving event reports, a voice menu and messages, storage of pictures and more.

The main control unit includes terminals:

o 2x independent BUS terminals
o 1x terminal for VOICE module
o 1x terminal for built-in radio module (JA-110R)
o 1x terminal for PSTN communication module (JA-190X)

Technical specifications

Control panel power supply	~ 230 V/50 Hz, max. 0.2 A, with T400 mA fuse, protection class II
Back-up battery	12 V; 7 to 18 Ah
Maximum battery charging time	72 h
BUS voltage (red-black)	12.0 to 13.8 V

Max. continuous consumption from the control panel	1200 mA permanently, valid for each BUS output (2000 mA for 10 minutes)	
Max. continuous consumption for backing up 12 hours	Without GSM communicator	LAN – OFF – 1150 mA LAN – ON – 1105 mA
	With GSM communicator	LAN – OFF – 1130 mA LAN – ON – 1085 mA
Max. continuous consumption for backing up 24 hours	Without GSM communicator	LAN – OFF – 550 mA LAN – ON – 505 mA
	With GSM communicator	LAN – OFF – 530 mA LAN – ON – 485 mA
Max. number of devices	120	
LAN communicator	Ethernet interface	
Dimensions	357 x 297 x 105 mm	
Weight	2500 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	