



JA-102KRY JABLOTRON Mercury Alarm system control panel

Installation should be done by a trained technician with a valid certificate issued by an authorized Jablotron distributor.

The required settings and system parameters are programmed via MyCOMPANY. The setup is intuitive and very simple even for novice installers.

Description

The JA-102K control panel offers:

- up to 31 wireless or bus peripherals
- up to 32 users
- up to 4 sections
- up to 2 programmable PG outputs

The control panel has:

- 1 terminal block for bus connection
- 1 connector for built-in radio module (JA-111R)
- 1 connector for GSM/GPRS communicator (JA-194Y-LITE)

Technical specifications

Installation type	Fixed instalation
Control panel power supply / frequency / fuse	~ 110-230 V/50-60 Hz, max. 0.28 A with F1.6 A/250 V fuse, protection class II
Power / current	max 23 VA / 0.1 A
Protection class	II.
Back-up battery	12 V; 2.6 Ah max (lead gel)
Low backup battery voltage (fault indication)	≤11 V
Maximum battery recharge time (80% capacity)	72 h
Bus supply voltage / max ripple (red - black)	12.0 ÷ 13.8 VDC / ±100 mV

Max. continuous consumption from control panel	1000 mA
- with 12 h backup (2.6 Ah battery)	Without GSM communicator LAN - off: 115 mA LAN - on: 88 mA With GSM communicator LAN - off: 80 mA LAN - on: 53 mA
Max. number of sections	4
Max. number of peripherals	31 peripherals + 31 drivers
Max. number of users	32
Max. number of PG outputs	2
Alarm connections	<ul style="list-style-type: none"> ○ Jablotron bus - dedicated cable connection ○ Wireless connection (with JA-111R) - non-specific wireless connection, wireless ○ Jablotron protocol
Alarm device classification	Security level 2 / environment class II
- In accordance with	EN50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3 (using the radio module), EN 50131-10, EN 50136-1, EN 50136-2
- Environment	Indoor general
- Operating temperature/humidity range	-10 °C to +40 °C/75% non-condensing
- Power supply	Type A - primary power supply with rechargeable backup battery
- Event memory capacity	of approx. 7 million recent events including source, date and time
- system response to loss of communication with periphery	Fault or Sabotage - depending on settings and profile <ul style="list-style-type: none"> ○ bus up to 10 s ○ wireless communication up to 2 h (since last communication) ○ wireless communication within 20 min prevents securing the section
- System reaction to incorrectly entered codes	after 10 incorrectly entered codes a sabotage alarm is declared and, depending on the selected profile, all control devices are blocked for 10 minutes.
- ATS classification	Supported ATS classes: SP2 - SP5, DP2 - DP4 SPT: Type Z Type of operation: Pass-through LAN on board: SP2 - SP5 (with IP protocol) JA-194Y LITE SP3 - SP5 (JABLO IP, ANSI SIA, DC-09) LAN + JA-194Y LITE DP2 - DP4 JABLO IP, ANSI SIA, DC-09)
- ATS alarm transmission protocols	JABLO IP, SIA IP, Contact ID,
- ATC security against substitution and information protection	Jablotron protocols: proprietary AES encryption with minimum 128-bit ANSI SIA key DC-09.2012 protocol with 128-bit AES encryption
LAN communicator	Ethernet interface CAT 5 (RJ-45)
Dimensions	268 x 225 x 83 mm
Weight with/ without ACU	1809 g/919 g

Basic parameters of the JA-111R module

868.1 MHz, <25 mW, GFSK <80 kHz

Radio emission

ETSI EN 300 220-2 (JA-111R module)

EMC

EN 50130-4, EN 55032, ETSI EN 301 489-1, ETSI EN 301 489-3

Electrical safety

EN IEC 62368-1

Conditions of operation of the CTU radio module

ERC REC 70-03

Certification body

TREZOR TEST (No. 3025)