



## JA-102KY 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.

○ [Declaration of conformity - JA-102KY \(PDF 670.49 kB\)](#)

### 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

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

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

<b>Basic parameters of the JA-111R module</b>	868.1 MHz, <25 mW, GFSK <80 kHz
<b>Radio emission</b>	ETSI EN 300 220-2 (JA-111R module)
<b>EMC</b>	EN 50130-4, EN 55032, ETSI EN 301 489-1, ETSI EN 301 489-3
<b>Electrical safety</b>	EN IEC 62368-1
<b>Conditions of operation of the CTU radio module</b>	ERC REC 70-03
<b>Certification body</b>	TREZOR TEST (No. 3025)