PRODUCTINFOS

Hybrid alarm system JABLOTRON100:

Professional wireless/bus hybrid alarm system with new standards regarding the safety level, functionality, convenience and design.

The system JABLOTRON-100 has been tested according to EN 50131 class 2 and combines all the advantages of a wireless alarm system with bus technology and a safe web server-based communication. It is ideally suited for projects with numerous system components, many users and several security areas. The installation can either be realised solely with wireless technology or bus technology or a combination of wireless/bus hybrid technology. For wireless transmission, the system uses the particularly narrow-band and safe wireless transmission in the frequency range 868 MHz. This alarm system features a clearly arranged setup and a unique controlling and operating concept. Separate on and off buttons allow for an easy operation, even with complex systems. The comprehensive traffic light display allows to easily identify the status of the system.

The system can be accessed via smartphone as standard. After registering with the web service, extensive control functions are available. This service is free of charge. However, permanent Internet connection is required. Due to remote access via smartphone or PC, it is possible to request the status of the system or control connected devices, e.g. regulating the heating system or similar from a distance (home automation).
Installation and initial operation must be carried out by trained and authorised personnel only. This ensures a professional installation and thus guarantees both a consistently high safety level and functionality of the system.

Alarm control panel with integrated LAN communication module and wireless module JA-111R

Features:

- Up to 32 wireless zones or bus zones
- Up to 32 user codes
- Up to 4 sections
- Up to 4 programmable PG outputs can be controlled
- 10 calendars, independent of each other
- Remote control via SMS, voice menu and MyJABLOTRON app
- SMS reports to up to 8 users
- 4 selectable alarm receiving centres (ARC) for transmission
- Smart Home Ready

The main control unit features the following connections:

- 1 terminal strip for bus connection (max. length of bus: 500 m)
- 1 LAN connection
- 1 USB port for configuration of the control panel via F-link software
- 4 GB memory card for internal storage of event data (e.g. voice messages and image recordings)
- 1 connection for optional wireless module JA-111R
- 1 connection for optional PSTN communication module JA-190X or GSM communication module JA-190Y

Specifications:

- Matching control panels: JA-110E (bus) and JA-150E (wireless)
- Number of addresses/loops (wireless and bus): 32 max.
- External power supply: ~ 230 V/50 Hz
- Energy supply: type A (EN 50131-6)
- Current consumption: 85 mA in standby, 125 mA during alarm
- Maximum bus power supply with continuous load: 400 mA
- Maximum intermittent output current (5 minutes): 1 A
- Matching rechargeable backup battery NPA-12/2 (DC 12 V/2.2 Ah) available at option
- Operating frequency of JA-110R, bidirectional Jablotron protocol, 868 MHz
- Event reports: approx. 7 million events including date and time
- Alarm verification via second detector or via adjustable and time-delayed response of the same detector (optional setting)
- Security level: 2 according to EN 50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3, EN 50131-10, EN 50136-1, EN 50136-2; environment according to EN 50131-1: II, indoors

## TECHNICAL SPECIFICATIONS

### JA-100KR

<table>
<thead>
<tr>
<th>Description</th>
<th>alarm control panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>with integrated LAN communication module and wireless module</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Power supply</td>
<td>~ 230 V/50 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>268 x 225 x 83 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.45 kg</td>
</tr>
<tr>
<td>Connections</td>
<td>1 connection for wireless module (JA-111R)</td>
</tr>
<tr>
<td></td>
<td>1 x 4 GB memory card for internal storage of event data</td>
</tr>
<tr>
<td></td>
<td>1 terminal strip for bus connection</td>
</tr>
<tr>
<td></td>
<td>1 x LAN (RJ45)</td>
</tr>
<tr>
<td></td>
<td>1 x USB</td>
</tr>
<tr>
<td></td>
<td>1 plug-in connection for analogue communication module</td>
</tr>
<tr>
<td>Packing unit</td>
<td>1</td>
</tr>
</tbody>
</table>