

Control panel

Contact LAN-11

Data sheet

Device identification number

1. General Information

The control panel Contact LAN-11 is designed for setting up security at remote real estate objects: apartments, offices, and country houses. Ethernet (a local network or Internet) is the only main channel for data transmission from the object.

The panel provides an in-built web-server for state remote monitoring and event history reading. Remote arming and disarming of panel areas is performed via the monitoring software.

2. Manufacturer

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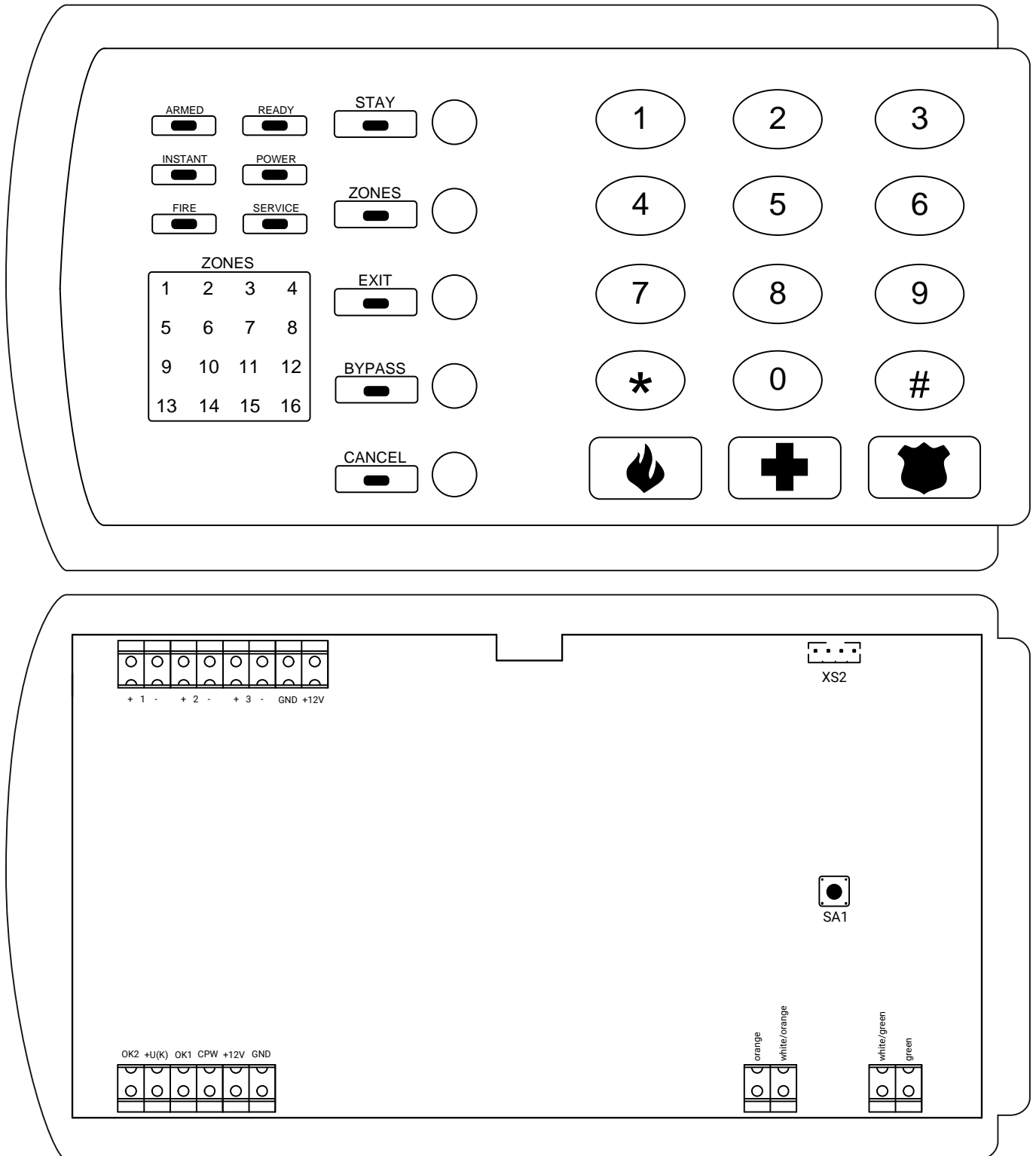
3. Package Contents

Contact LAN-11 control panel	1 pc
MF-25-0.25-5.1 resistor K F (1%)	6 pcs
MF-25-0.25-8.2 resistor K F (1%)	6 pcs
Data sheet	1 pc
Package	1 pc

4. Technical Specifications

Specification	Value
Ethernet communication channel	100BASE-TX
Data transmission protocol	Ademco ContactID
Local network state monitoring	+
Dynamic IP-address allocation through DHCP	+
Built-in web-server	+
Built-in ICMP protocol (for "ping" utility operation)	+
Arming/disarming from monitoring software	+
Connection of wired loops	up to 3 of "dry contact" type or up to 6 resistive
Maximum number of independent protection areas	6
Outputs for actuation device connection	2 outputs of "bare collector" type DC 12V 300mA max
Visual indication of panel operation	+
Audio indication of panel operation	+
Tamper	+
Event log, entries	65,536
Supply voltage, V	DC 12±2
Current consumption in standby mode, mA	up to 200 (without including sensor and actuation device operation)
Main power supply monitoring	+
Dimensions, mm	160×100×30
Weight, g	200
Operating temperature range, °C	-35...+55

5. Designation of Elements






Element	Designation
SA1	Tamper button.
XS2	Connector for USB cable setup through PC.
GND, +12V, CPW	Power supply terminals. Connect the wire from the CPW terminal to the secondary winding of the power source transformer.
green/white-green and orange/white-orange	Connectors for Ethernet cable connection.
+1-, ..., +3-	Connectors to connect wire loops of resistive signaling devices or "dry contact" signaling devices.

OK1, +U(K), OK2	Outputs of bare collectors for actuation device connection: <ul style="list-style-type: none"> • +U(K) – positive common of bare collectors; • OK1 – negative of the bare collector 1 is designed for external visual indication connection. It operates for areas assigned to the Exit button according to the following algorithm: on – all areas assigned to the Exit button are armed; on-off with frequency of 1 Hz – an alarm in an area/an area assigned to the Exit button is not armed/a delay on in/out; • OK2 – negative of the bare collector 2 is designed for siren connection. Siren operating modes are specified in the configuration software.
GND, +12V	Connector for power supply of wire signaling devices.

6. Visual indication

Indication in standby mode																						
Indicator	State	Note																				
ARMED	On	All areas assigned to the Exit button are armed.																				
	Blinking	An alarm in an area assigned to the Exit button; an area assigned to the Exit button is not armed; a delay on in/out.																				
	Off	No areas are armed																				
INSTANT	On	There is an untransmitted message in the event log																				
	Off	Event log is empty or all events are transmitted																				
POWER	On	220 V main power supply available																				
	Blinking	The panel operates at redundant power or no signal in the CPW terminal																				
	Off	No power																				
SERVICE	Blinking	No communication with the server																				
EXIT	On	Outgoing delay countdown																				
	Off	No delay countdown																				
ZONES	On	The Zones button is pressed																				
	Off	The Zones button is not pressed																				
<table border="1" data-bbox="105 1688 328 1895"> <thead> <tr> <th colspan="4">ZONES</th> </tr> </thead> <tbody> <tr> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td>13</td><td>14</td><td>15</td><td>16</td> </tr> </tbody> </table>	ZONES				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	The Zones button is pressed. Shows states of zones 1–6	
	ZONES																					
	1	2	3	4																		
	5	6	7	8																		
	9	10	11	12																		
	13	14	15	16																		
	On	Zone with alarm																				
	Off	Zone is OK																				
Blinking	Failure in zone																					
The Zones button is released. Shows states of areas 1–6																						
On	Area armed																					
Off	Area disarmed																					
Blinking	An alarm in an area or a delay on in/out																					

7. Button designation

Button	Designation
ZONES	The Zones button is pressed. Shows states of zones 1–6 The Zones button is not pressed. Shows states of areas 1–6
EXIT	Arming of areas assigned to the exit button
CANCEL	Cancels all earlier entered symbols
0–9, *, #	Entry of corresponding symbol
	Generation of “Fire alarm” ¹
	Generation of “Medical alarm”
	Generation of “Panic button” alarm

8. Getting Ready for Operation

1. The device should be placed on a wall surface. Do not install the device in the vicinity of EMI sources and power cable runs.
2. Loosen the retaining screw and open the enclosure cover.
3. Insert input leads into the hole of the enclosure base.
4. Connect the power supply circuit to the connectors **GND, +12V, CPW**.
5. Connect wired loops to connectors **+1-, ..., +3-**.
6. Connect actuation devices to the connectors **OK1, +U(K), OK2**.
7. Connect the USB cable for PC setup to the connector **XS2**.
8. Power on the device.
9. Setup the device using the configuration software.
10. Disconnect the communication cable from PC and the device.
11. Secure the enclosure base on the surface. If a tear-off alarm is required fasten the platform with tamper button support using a self-tapping screw.
12. Install the enclosure cover with the board to the enclosure base. Make sure the tamper button spring **SA1** falls on the support.
13. Close the cover firmly and fasten the retaining screw.
14. If the settings are valid the panel connects to the server in 5 minutes.

9. Built-in Web-server

The device provides a built-in web-server that allows to view the panel state and the event history in the online mode. To access the panel web-interface from the local network enter the panel IP-in the address bar of your Internet browser (for example <http://192.168.0.1>). This IP-address is indicated in the configuration software. To access the panel from the Internet specify the external static device address.

¹ The control panel is intended for fire protection within the Russian Federation only. Do not use it as a fire control and indicating equipment within European Union.

10. Maintenance and Safety Measures

At least twice a year, check the state of contacts and input leads in order to avoid mechanical defects. If necessary, clean the bonding pads and remedy wire insulation issues. Pay for Internet provider services in time (in case of using a remote web-server).

All installation and maintenance activities applied to the power source should be performed by duly qualified personnel.

11. Transportation and Storage

The power source should properly packed and transported in roofed vehicles. Storage premises should be free of current-conducting dust, acid and alkaline fumes, corrosive gases and gases harmful to insulation.

12. Manufacturer's Warranties

The manufacturer guarantees that the power source complies to requirements of the technical specifications provided to the client, ensures compliances to conditions of transportation, storage, installation and operation.

Although the **warranty period** is 12 months from the commissioning date, it may not exceed 18 months from the production date.

The warranty storage period is 6 months from the production date.

The manufacturer shall not be responsible for quality of data links provided by Internet service providers.

The manufacturer reserves the right for modification of the power source in any way that does not degrade its functional characteristics without prior notice.

13. Information on Claims

In case of a power source failure or defect during the warranty period, please fill in a malfunction report specifying the dates of issue and commissioning of the device and nature of the defect and submit it to the manufacturer.

For Notes