



ADDRESSABLE FIRE ALARM CONTROL PANEL

CP-1

Technical Data Sheet

Description

This device is designed to monitor and control fire alarm systems, alert, fire extinguishing and smoke removal systems, as well as auxiliary engineering and technological equipment involved in ensuring fire safety. CP-1 addressable devices allow to build a distributed addressable APS system, including up to 250 receiving and control devices (Control Panels).

Key Features



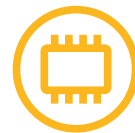
RF 868 MHz



Easy system setup



System log



Color LCD screen

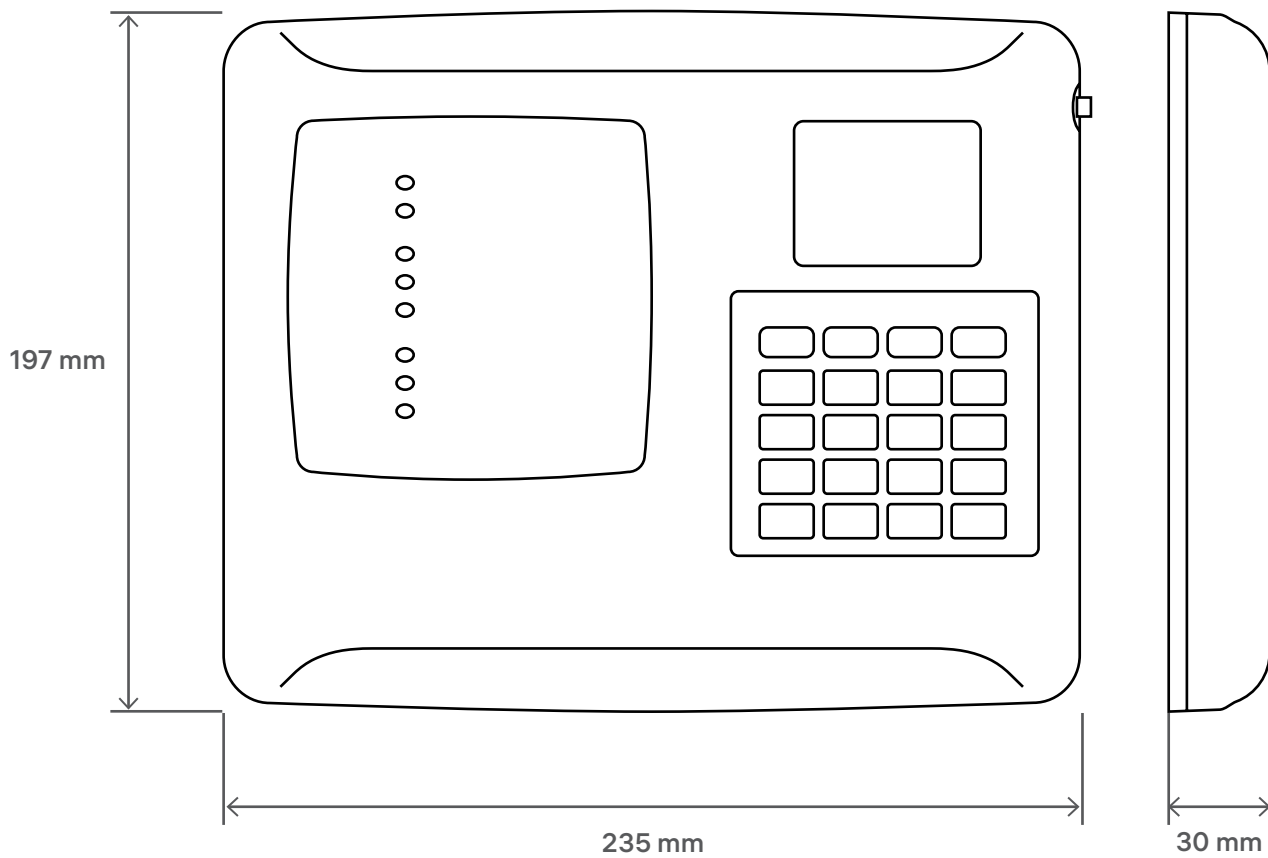


Remote configuration

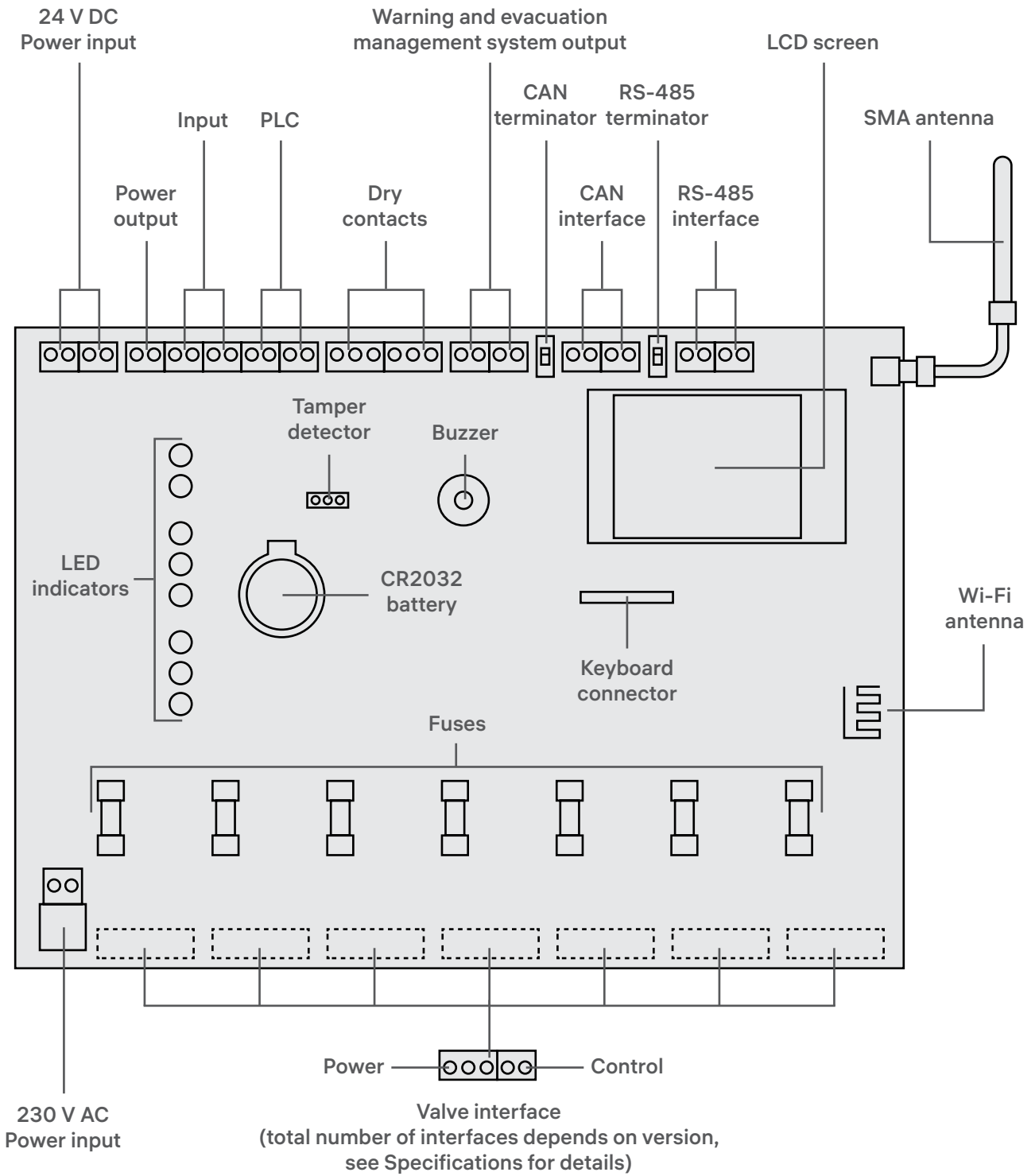


250 addressable devices

Dimensions



Basic Layout



Specifications

General Parameters

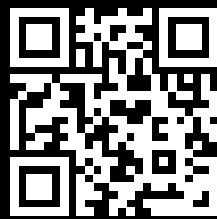
Supply voltage, V	main: DC 24 ± 20% standby: DC 24 ± 20%
Own consumption current, A, not more than	in standby mode: 0.22 in «Fire» mode: 0.32
Communication interface	CAN, RF 868 MHz, RS - 485, PLC, Wi-Fi
Number of CAN interfaces, pcs	2
The number of CPs in the system connected via CAN interface, pcs	250
The maximum length of CAN interface, excluding repeaters, m	250
Number of RS-485 interfaces, pcs	2
The number of controllers connected to Control Panel via RS-485 interface, pcs, not more than	32
The maximum length of interface between RS-485 segments, m	150
Number of PLC interfaces, pcs	2
The maximum load current of the PLC for each channel, A	0,65
The maximum length of PLC interface, m	1200
The number of addressable devices connected to the Control Panel via PLC interface and RF 868 MHz, pcs	250
Operating frequency of the wireless interface, MHz	868
Number of channels within the frequency range, pcs	5
Signal encryption	XTEA 128bit
Radiation power, MW, not more than	25
The maximum communication range between the CP and wireless DEVs via RF interface 868 MHz, in open terrain, m	900
The number of smoke removal and fire-stop valves controlled by the device, pcs	7 (depends on the model)
Maximum switching current of smoke removal and fire-stop valves, A	2
Supply voltage of smoke removal and fire-stop valves, V	AC 220/230 (50/60 Hz)
Types of connected valves	electromagnetic reversible with return spring

General Parameters

Number of freely programmable inputs, pcs	2
Maximum voltage at the freely programmable input, V	20 ± 5%
Maximum control current of the freely programmable input line, mA	5
Number of «Dry contact» controlled outputs, pcs	2
The maximum voltage at the output of dry contact, V	220
The maximum switching current at the «Dry contact» output, A	2
The number of outputs with line breakage and short circuit control, pcs	2
Output voltage, V	24 V ± 20%
The maximum switching current of each output, A	0.45 A
Operating frequency of Wi-Fi interface, MHz	2400
Maximum communication range (in open terrain), m	50
Operating temperature, °C	from -10 to +55
Operating relative humidity, non-condensing	up to 93% at +40°C
Case protection rating	IP30
Dimensions, mm	245 × 197 × 32
Weight, kg	not more than 0.69 ± 5%
Average service life, years	10
Average time to failure, h	60000
Probability of trouble-free operation in 1000 hours	0.98

Package Contents

Addressable Fire Alarm Control Panel CP-1-(X)	1 pc
Set of resistors	2, 4, 7 pcs or none
Fuse 5×20 2 A × 250 V	1-3 pc(s) or none
CR2032 battery	1 pc preinstalled
868 MHz antenna	1 pc
Antenna terminal cable	1 pc
Mounting kit	1 pc
Technical certificate	1 pc
Individual packaging	1 pc



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