

# CONEX – MULTIZONE

The CONEX control panel is modular, electronic, fire-proof and anti- explosion devices for powering detectors, processing resistance lines, logically evaluating, actuating actuators, and auxiliary circuits designed to prevent fire or explosion consequences.

The core of the control panel is a multiprocessor system with evaluation and service circuits of inputs and outputs, power converter, overvoltage protection, backup battery and terminal blocks. All panel statuses are indicated on the front panel by tri-color LEDs and graphic LCD panel.



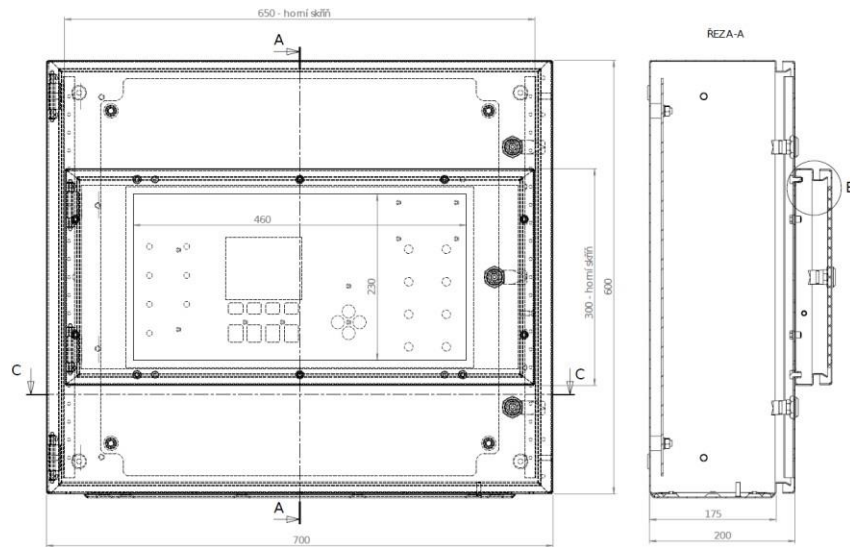
Power is supplied by mains voltage  $\sim 230V / 50Hz$  or 24V, the failure of which is handled by the built-in backup battery for at least 4 hours of operation.

The individual modules of the control panel are fixed together in a metal or plastic housing with IP65 protection. The controls and indicators are located behind a closable transparent cover or directly on the taskbar with a tamper-proof input code.

TECHNICAL PARAMETERS	
Operating voltage	100-240V AC or 24VDC
Power terminal	Cross-section of wire up to 2,5mm 500V 24A
Current consumption	It is a sum of supply current of all components and connected devices. Battery 250mA up to 1,5A / 24VDC, 60W according to the operating mode, number of connected detectors and other dependent devices.
Backup	Battery 2x12V/ 2,6Ah up to 10Ah per configuration and consumption – backup operation at least for 4 hours of operation.
Operating temperature of electronic	-20 to 50°C
Operating temperature of backup battery	-5 to 40°C
Protected zone	4 – 8, per type of control panel
Line detectors	Power supply 24V, 0-255mA – user-selectable Evaluation of resistance line 0 to 65k $\Omega$ – user-selectable  It is possible to define the allowed current consumption of detector and at the same time to determine the decisive levels of the signal resistance time – ALARM, RUN, FAULT
Activation outputs	2A/ 24VDC – 0 to 820 $\Omega$ – user-selectable It is possible to define the allowed detonator resistor value
Relay outputs	24VDC/ 8A – user-selectable switching  It is possible to combine between zones, delay and react to various events – ALARM, SERVIS, RUN, FAULT
Bus	CAN, 250kbps
Signalization	Three-colors LED diodes –red, green, orange (Operation, Fault, Alarm, Pre-alarm, Battery fault, Power failure)
Visualization	Graphical LCD display 160x128 pixels with white backlight

Control	User buttons
Configuration	Master PC application
Recording events	1024x events
Response time	2,0ms + 0,1ms/zone or adjustable 1 – 240s
IP code	IP 65

## DIMENSIONS



ŘEZC-C

