

Modular control panel

The ZENiX Cabinet is a range of modular control panels, offering a wide range of options to suit the requirements of your project. Its main task is to control and monitor fire and smoke control dampers. Depending on the size of the project, a number of master controllers are mounted on DIN-rails in the cabinet. Input and output modules can also be fitted as required. To improve the ease of installation, all devices in the cabinet are pre-wired and connected to terminal blocks at the bottom of the cabinet. The ZENiX Cabinet is also equipped with an ethernet switch (for connection to the BMS for example), a power socket (power supply for a laptop, for example) and power switch.

Please contact Rf-Technologies for a ZENiX Cabinet control panel design tailored to your project.



Options

As an option, the ZENiX Cabinet can also be supplied with a 12" touchscreen built into the door. The option includes a box PC, mounted onto the DIN rails and connected to the touchscreen. On the touchscreen you can check the status of the ZENiX system and all connected components. Several software options are available, allowing to monitor, control and test components (depending on permissions), or show the status of fire dampers onto a plan of the building.

Additional digital input and output modules can be fitted in the cabinet. A ZENiX Gateway device allows the user to send out control commands directly from the BMS to all connected components.



PRODUCT FEATURES

- Modular concept, for controlling and monitoring small projects (a few dampers) to large scale projects (more than 1000 dampers)
- Pre-wired cabinet, on labelled terminal blocks
- Connection to BMS via BACnet IP
- Optional 12" touchscreen, with dedicated programming by Rf-t, according to requirements
- Supplied with detailed electrical plans
- Ethernet switch with multiple ports
- Supplied with a readily available power socket (e.g. for laptop)



TECHNICAL DATA

Enclosure

Description	Single door, wall mounted enclosure
Material	Mild steel
Finish	Structured powder coating, RAL 7035 (light grey)
Door	Surface mounted, with maximum 130° opening (hinges on the right side). Two lock closing
Size type A (ZENiX CAB100, CAB200, CAB500(P))	500 x 600 x 210 mm (width, height, depth)
Size type B (ZENiX CAB300, CAB400(P))	600 x 800 x 210 mm (width, height, depth)
Weight type A	17.1 kg*
Weight type B	29.3 kg*
Protection	IP 66 / (IP54 with option touchscreen)
CE/UKCA-certification	Compliant with 2014/35/EU LVD According to EN 62208; EN 60529

*Weight of the cabinet, excluding components

Built-in components

Power supply	AC 230 V 50/60 Hz
Power socket	Country specific (type E, F, G, J, K, L – to be specified at ordering)
Low voltage circuit breaker	Circuit breaker with 2 protected poles, 6A rated
Power supply unit	Output 24 V DC / 3A
Built-in Ethernet switch	Industrial Ethernet switch, with eight RJ45 ports (10/100 Mbps), LED indicators
ZENiX master controller	Number of built-in and wired master controllers: ZENiX CAB100: 1x ZENiX-100 ZENiX CAB200: 2x ZENiX-100 ZENiX CAB300: 3x ZENiX-100 ZENiX CAB400: 4x ZENiX-100 ZENiX CAB400P: 5x ZENiX-100 ZENiX CAB500: 1x ZENiX-500 ZENiX CAB500P: 1x ZENiX-500 + 1x ZENiX-100
CE/UKCA-certification	Compliant with 2014/35/EU LVD
Circuit breaker	According to IEC EN 60947-2; IEC EN 60898-1
Power supply unit 24 V DC	EN 61000-6-3 & EN 61000-6-4 EN 61000-6-1 & EN 61000-6-2; EN 55011
ZENiX master controller	EN IEC 63044-5-2:2020-04

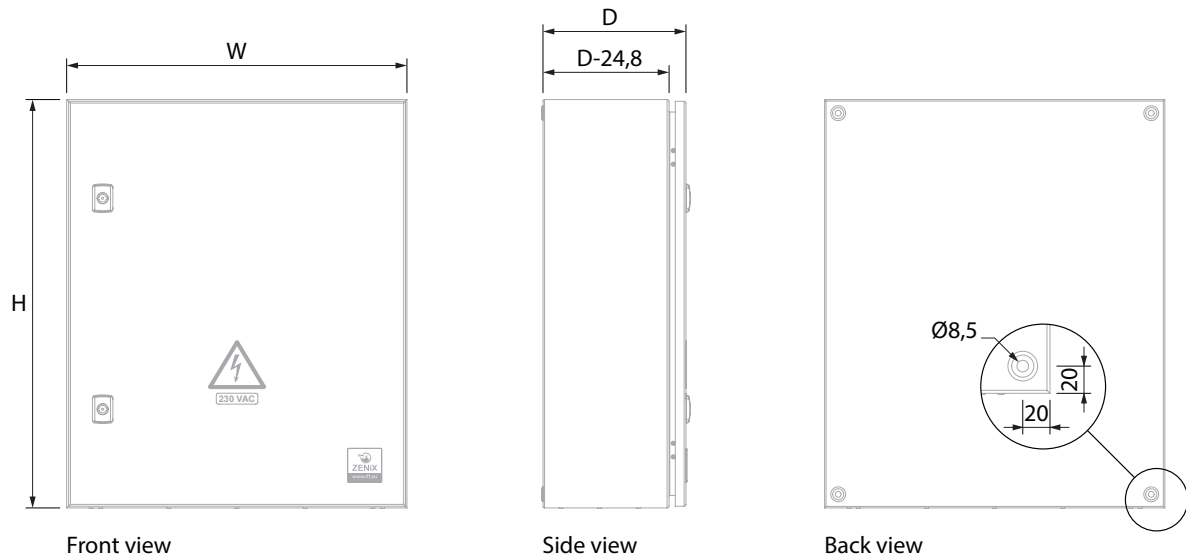
Optional components

DI/DO modules (ZENiX CAB100 / CAB200 / CAB300 / CAB400(P))	ZENiX DI12; ZENiX DI8DO4; ZENiX DO12
DI/DO modules (ZENiX CAB500(P))	ZENiX-500 DI16; ZENiX-500 DO12
Gateway	ZENiX GTW (write commands from BMS)
Touchscreen, mounted in the door	ZENiX TS Webtool (including a box PC and a 12" full HD, capacitive touchscreen) ZENiX TS Ringview (including a box PC, a 12" full HD, capacitive touchscreen, 1 Ringview license)
Box PC	Industrial grade, fanless box PC, DIN-rail mount Windows 10 IOT X64 OS

DIMENSIONS

Panel size type A (ZENiX CAB100, CAB200, CAB500(P)): 500 x 600 x 210 mm (width, height, depth)

Panel size type B (ZENiX CAB300, CAB400(P)): 600 x 800 x 210 mm (width, height, depth)



	Panel size type A	Panel size type B
W (width)	500mm	600mm
H (height)	600mm	800mm
D (depth)	210mm	210mm
Weight (excluding components)	17.1 kg	29.3 kg

SAFETY NOTES

- For interior use only
- Caution: power supply voltage!
- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- Devices inside the cabinet may only be opened at the manufacturer's site.
- Maximum ambient temperature: 30°C (ventilated environment required)
- The cabinet contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

If the product is manipulated in any other way than described, Rf-Technologies will decline any responsibility and the guarantee will immediately expire!

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