

awex



We care
about safety

COMPANY PROFILE 24.1

awex.eu

 awex



INDUSTRY LEADER

The AWEX brand has existed in the emergency lighting industry since 2002, invariably pursuing a clearly defined mission: modern products of the highest quality and customer satisfaction. We offer a full range of emergency lighting devices meeting the European standards. In the 20 years we have been on the market, thanks to our commitment, knowledge, resources, cooperation with the best specialists, including research centres, and investment in innovative ventures, we have achieved a position of a leader in the industry.

GAZELA BIZNESU DISTINCTION

AWEX stands for state-of-the-art technology, an experienced team of designers and engineers, the highest quality, reliability of equipment, diversity of product range, unique design, unlimited production capacity and an impeccable reputation confirmed by references. The greatest reward is the satisfaction and trust of our customers. We also enjoy the recognition of independent experts. We were awarded the title „Export Leader 2006” for the level of sales realised, and as one of the most dynamically developing companies on the Polish market, Puls Biznesu awarded us twice with the Gazele Biznesu distinction („Business Gazelles”).

QUALITY GUARANTEE

With the company’s mission in mind, we have implemented a quality management system in accordance with EN ISO 9001:2008, and the certificate awarded by TÜV NORD guarantees the highest quality in the design, manufacture, installation and servicing of emergency lighting equipment. In 2016, Awex for its new luminaire and emergency lighting products received the prestigious, internationally recognised BSI certification. Obtaining the certificate involves a lengthy procedure and a series of rigorous tests. It confirms the highest technical quality of the products offered.

INVESTMENTS

We apply the latest global technologies to guarantee quality, precision, process optimisation and work ergonomics. Moreover, to ensure that every stage in the creation of our products contributes to meeting all our customers’ expectations we invest time and resources.

RESEARCH

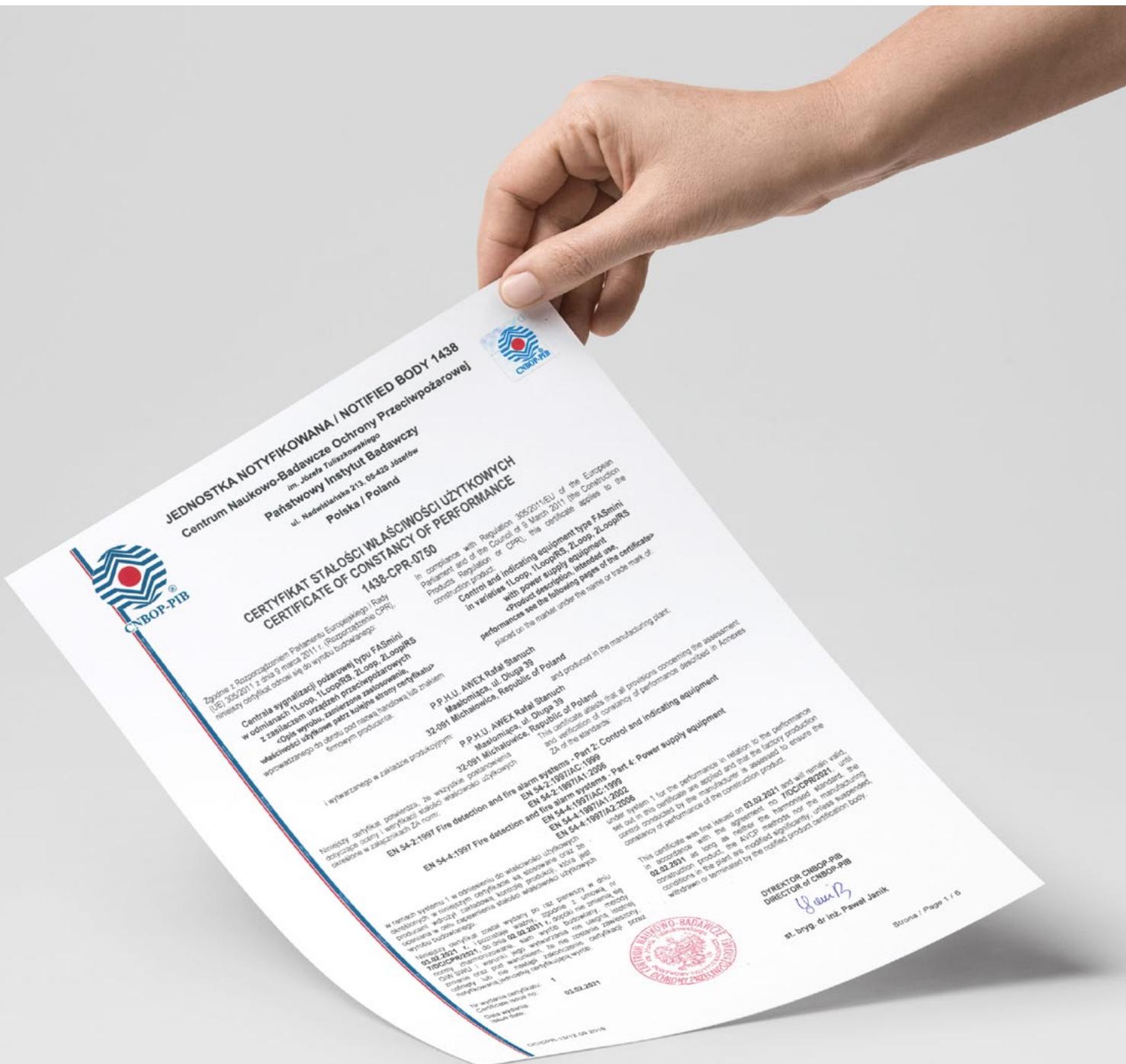
Ongoing research and development work ensures that our offering is constantly updated towards the development of the industry, enabling us to provide the most modern, multifunctional and technologically advanced products.

COMPETENT STAFF

We employ the best specialists in many fields, whom we guarantee constant improvement of their qualifications through specialised training. The company design department ensures customised flexibility, while a team of highly qualified engineers guarantees the constant technical progress of the equipment on offer. The application of modern methods for information flow within the company enables ongoing updating of the offer and product functionality. Effective project management enables the building of lasting, trust-based relationships with contractors.

WE CARE FOR THE ENVIRONMENT

We offer environmentally friendly products and our technological process meets high EU standards.



JEDNOSTKA NOTYFIKOWANA / NOTIFIED BODY 1438
Centrum Naukowo-Badawcze Ochrony Przeciwpowarowej
im. Józefa Turowskiego
Państwowy Instytut Badawczy
ul. Nowohelska 213, 05-420 Józefów
Polska / Poland

CERTYFIKAT STAŁOŚCI WŁAŚCIWOŚCI UŻYTKOWYCH
CERTIFICATE OF CONSISTENCY OF PERFORMANCE
1438-CPR-0750

Zgodnie z Rozporządzeniem Parlamentu Europejskiego i Rady (UE) 305/2011 z dnia 9 marca 2011 r. (Rozporządzenie CPR), niniejszy certyfikat odnosi się do wyrobów budowlanych:
Centrala sygnalizacji pożarowej typu FA5mini w odmianach 1-Loop, 1-LoopRS, 2-Loop, 2-LoopRS z zasilaczem urządzeń przeciwpożarowych
Opis wyrobu, zamieszczone załączniki
Właściwości użytkowe patrz kolejną stronę certyfikatu
wyodrębnionego do obrotu pod nazwą handlową lub znakiem firmowym producenta.

P.P.H.U. AWEX Rafał Stanuch
Michalowice, ul. Długa 39
32-091 Michalowice, Republic of Poland

P.P.H.U. AWEX Rafał Stanuch
Michalowice, ul. Długa 39
32-091 Michalowice, Republic of Poland

Niniejszy certyfikat potwierdza, że wyrobki, posiadające oznaczenie CE, spełniają wymagania techniczne określone w załączniku ZA normy:
EN 54-2:1997 Fire detection and fire alarm systems - Part 2: Control and indicating equipment
EN 54-4:1997 Fire detection and fire alarm systems - Part 4: Power supply equipment

w ramach systemu i w odniesieniu do właściwości użytkowych określonych w niniejszym certyfikacie, są stosowane oraz że wyrobki, zostały zaprojektowane, wykonane i montowane zgodnie z wymaganiami określonymi w załączniku ZA normy:
EN 54-2:1997 Fire detection and fire alarm systems - Part 2: Control and indicating equipment
EN 54-4:1997 Fire detection and fire alarm systems - Part 4: Power supply equipment



DIREKTOR CNBOP-PIB
DIRECTOR OF CNBOP-PIB
Dr. inż. Paweł Janik

EMERGENCY LIGHTING

Quality is one of the important key values of AWEX. We challenge ourselves to maintain the product quality according to the changing customer demands. For that we have a wing of experienced people with technical excellency. We never compromise on the quality. Therefore we select highest quality components and latest available technology which make the product to the highest level, which is internationally certified.



We know that appearance is important for our partners; that's why we design our products in line with current trends. We try to combine tradition with modernity. That is why our products can be used in very modern buildings as well as revitalized or even historical ones.

Safety is the essence of the industry. We are a professional company with full own facilities for development, testing and production of devices related to Emergency Lighting and Fire Alarm Systems. All design and production facilities are located in Poland, which means that we are able to respond to virtually any industry demand. Our specialized advisers are always ready to support our partners in the selection of AWEX brand equipment meeting the expectations.

EMERGENCY LIGHTING

LOVATO 3



AX 3



LOVATO



AX



MICRO SPOT



EDGE



EYE LED



OUTDOOR LED



TEY



MX



DIAMOND



ESCAPE ALU



INFINITY II



EMERGENCY LIGHTING

SCREEN 2



ARROW



TIGER LED



HELIOS



SK-8



EXIT



IK B



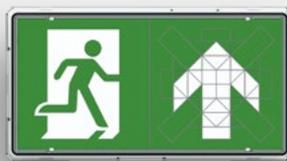
IKB 8K



CUBE 2



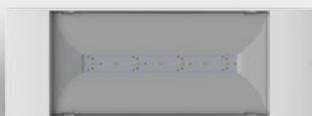
WALL SEG



PLEXI LED



WONDER

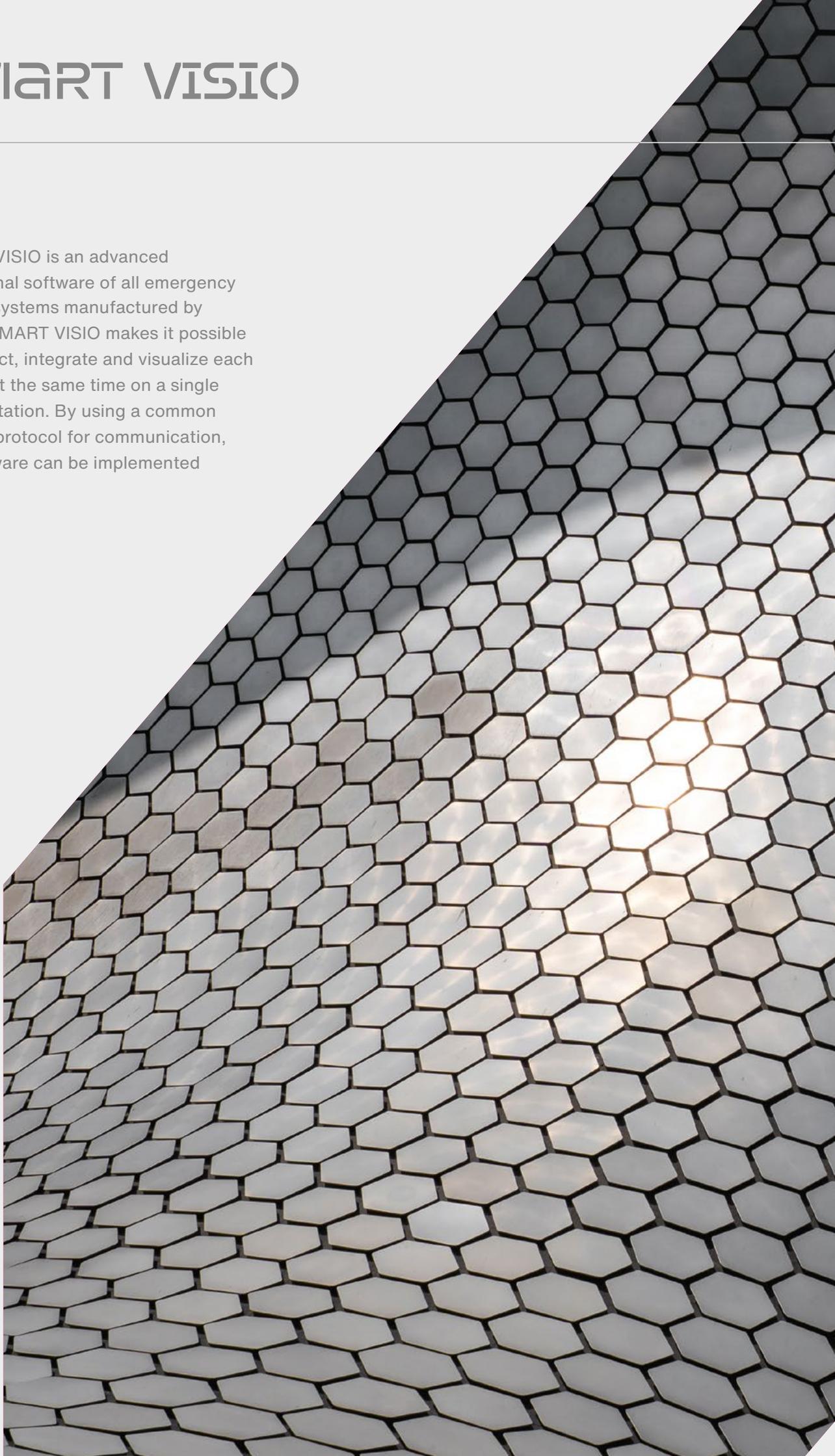


TWINS



SMART VISIO

SMART VISIO is an advanced operational software of all emergency lighting systems manufactured by AWEX. SMART VISIO makes it possible to connect, integrate and visualize each system at the same time on a single control station. By using a common BACnet protocol for communication, the software can be implemented





Emergency
lighting systems



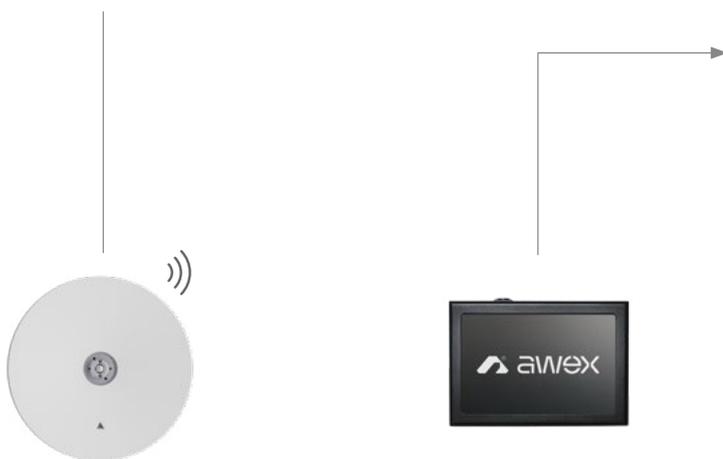
SMART VISIO is easy to install and offers full system visualisation, saving time and costs on daily monitoring. The software is recommended for use in shopping centres, medium and large office buildings, hospitals, stadiums, airport terminals, production facilities and facilities that require special facilities. System reporting is compliant with EN 50172.



RUBIC UNA



RUBIC UNA WIRELESS



TC-02



LEGEND

Dynamic Emergency Lighting

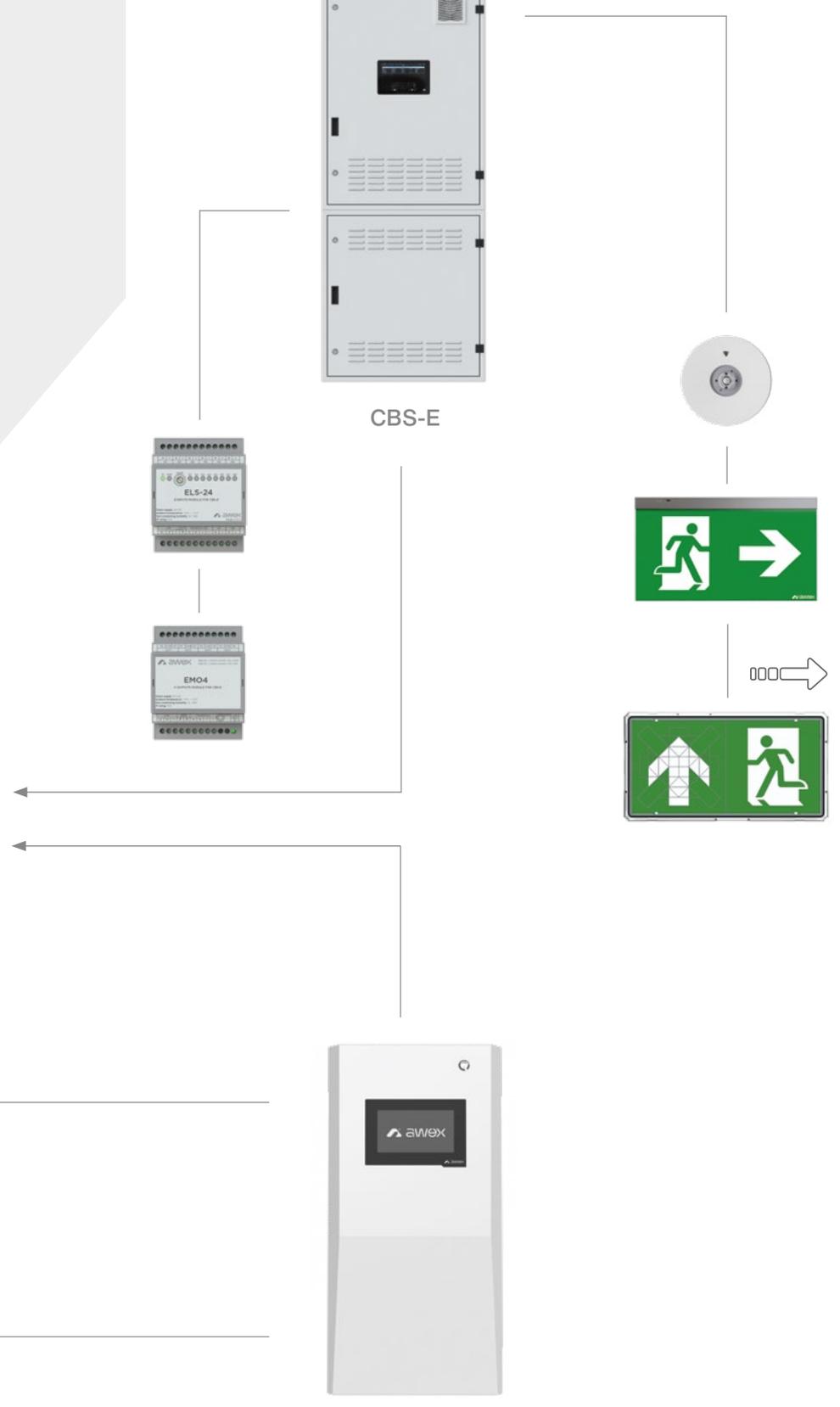
Wireless Emergency Lighting



CBS-E



FZLV II



MONITORING SYSTEM

Emergency lighting monitoring system is a group of advanced devices designed for monitoring luminaires connected in a classic wired way or via wireless communication. The installation of a monitoring system allows to configurate and check the condition of emergency lighting luminaires. Moreover, installation automatically performs periodic tests, records and logs events, ensures system division into groups of luminaires, works in night-time work mode work or emergency operation mode lock.





Emergency
lighting systems



For the safety of building users, monitoring systems have internal power supply and continuously communicate with the emergency lighting. It is important to note that any monitoring system can be connected to an external surveillance system. The application gives the comfort of work and allows you to control the system, change settings, visualize the emergency lighting status, etc.



MOBILE DEVICES COMMUNICATION

compatibility with mobile
devices with Bluetooth
communication



AX BLUE

dedicated AX BLUE
application for iOS
and Android devices



CONTROL AND MONITORING

full control and monitoring
of emergency luminaries



SECURED ACCESS

secured communication
and access levels

00-1A-121A-0143

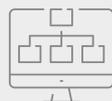
UNIQUE ADDRESSES

custom order of luminaires
assembly on the AX BLUE
communication line



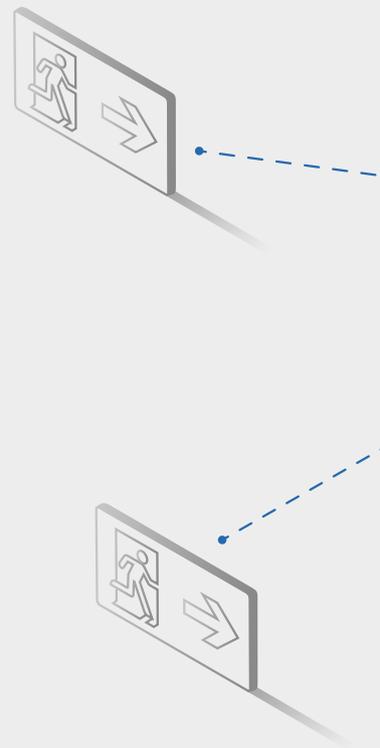
COMMUNICATION

AX BLUE communication
up to 20 m between
devices



WEB SERVER

secured server of handling
from any internet
browser





RUBIC UNA WIRELESS

Wireless monitoring system



MESH
up to 100 m
between fixtures



4000 LUMINAIRES
control and monitoring
up to 4000 luminaires



TOUCH PANEL
7" touch screen
with intuitive
menu



WEB SERVER
embedded functionality
of handling from
any internet browser

01.005
00-1A-121A-0143

UNIQUE ADDRESSES
custom order of luminaires
assembly on the
communication line



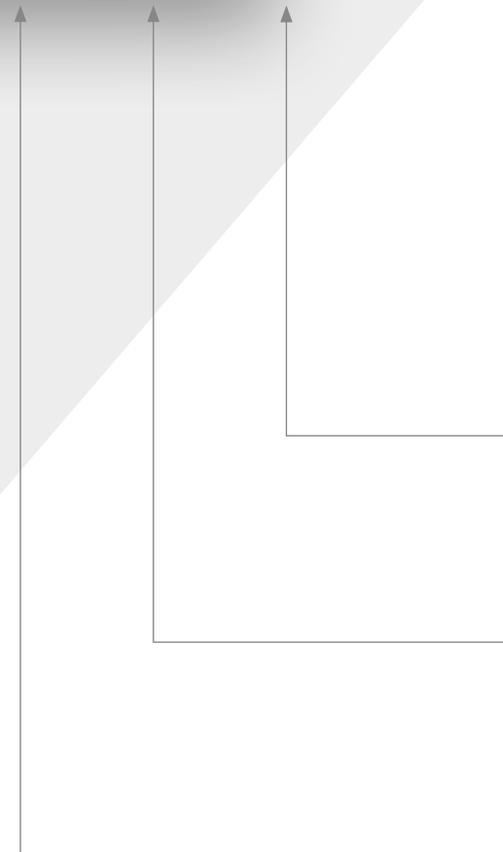
Modbus
ready

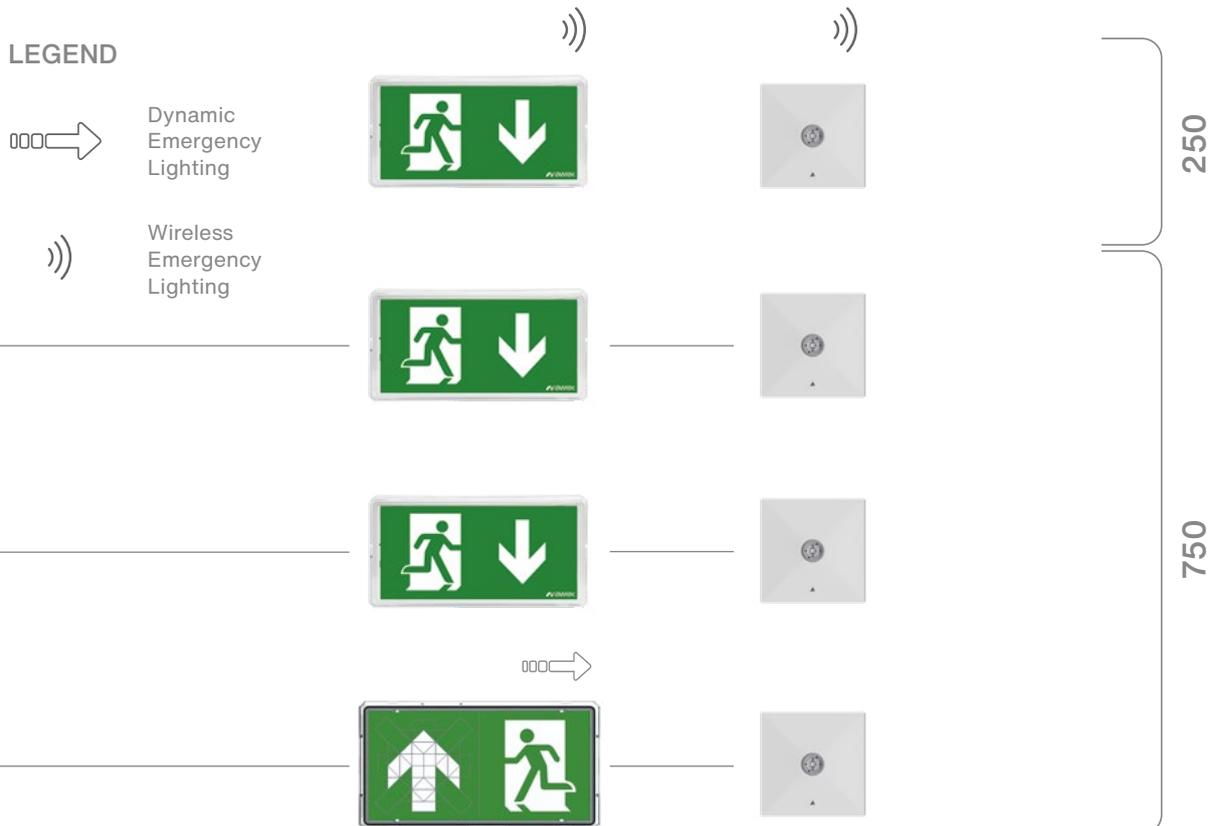
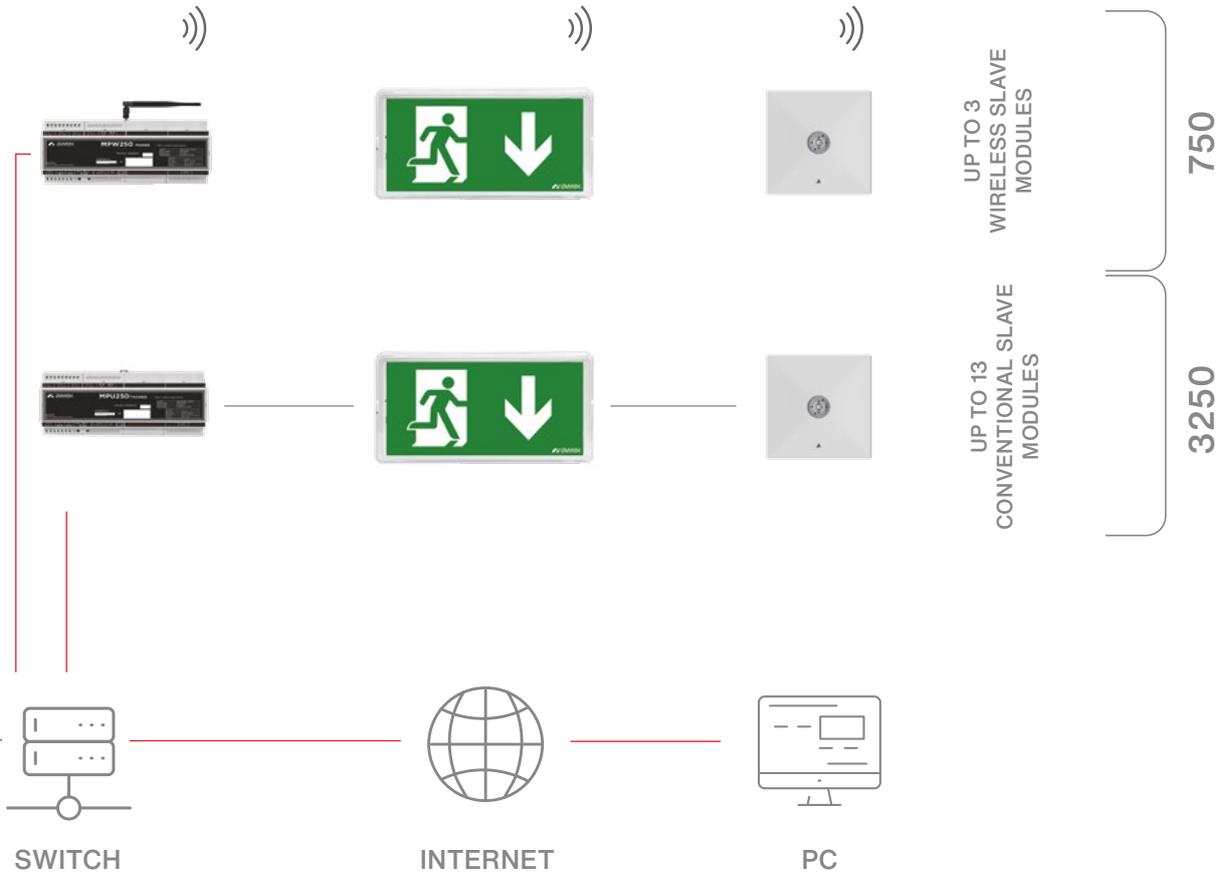
**COMPATIBLE
WITH MODBUS**
embedded Modbus
for communicating
with the BMS



BACnet
ready

**COMPATIBLE
WITH BACNET**
embedded BACnet
for communicating
with the BMS





CENTRAL BATTERY SYSTEM FZLV II

Central power supply system for emergency lighting, otherwise known as central battery system, is a modern reliable and very easy to use device. It allows you to install a large number of emergency luminaires. Creating an integrated fully monitored and controlled network, that allows to supervise a site from a single room.



The central battery system is used mainly to minimize operating costs and in order to reduce the problems associated with technical service. The units are always installed outside areas where there may be fire or other danger. The central battery system operates in a completely secure IT network. For this reason, the installation is separate from the installation of basic lighting. The central battery system allows two different ways to monitor emergency lighting - this system can monitor the current on specific terminal circuits or monitor and control each of emergency luminaire separately.

FZLV II

Central battery system



IBMS
built-in individual battery monitoring system



1920 LUMINAIRES
control and monitoring up to 1920 luminaires



TOUCH PANEL
7" touch screen with intuitive menu



WEB SERVER
embedded functionality of handling from any internet browser



MULTIPLICATION
possibility of devices multiplication



SELV 48V
power supply guaranteeing the safety of system operation



Modbus ready
COMPATIBLE WITH MODBUS
embedded Modbus for communicating with the BMS



BACnet ready
COMPATIBLE WITH BACNET
embedded BACnet for communicating with the BMS



DES
built-in support for dynamic lighting fixtures





SELV 48V

UNIQUE ADDRESSES OF LUMINAIRES

random installation of luminaires in the system



96 circuits

×

20 luminaires per circuits

>

1920 luminaires for one device

120W max. power per circuit

>

10,8kW max. device power

500 m max. circuit length



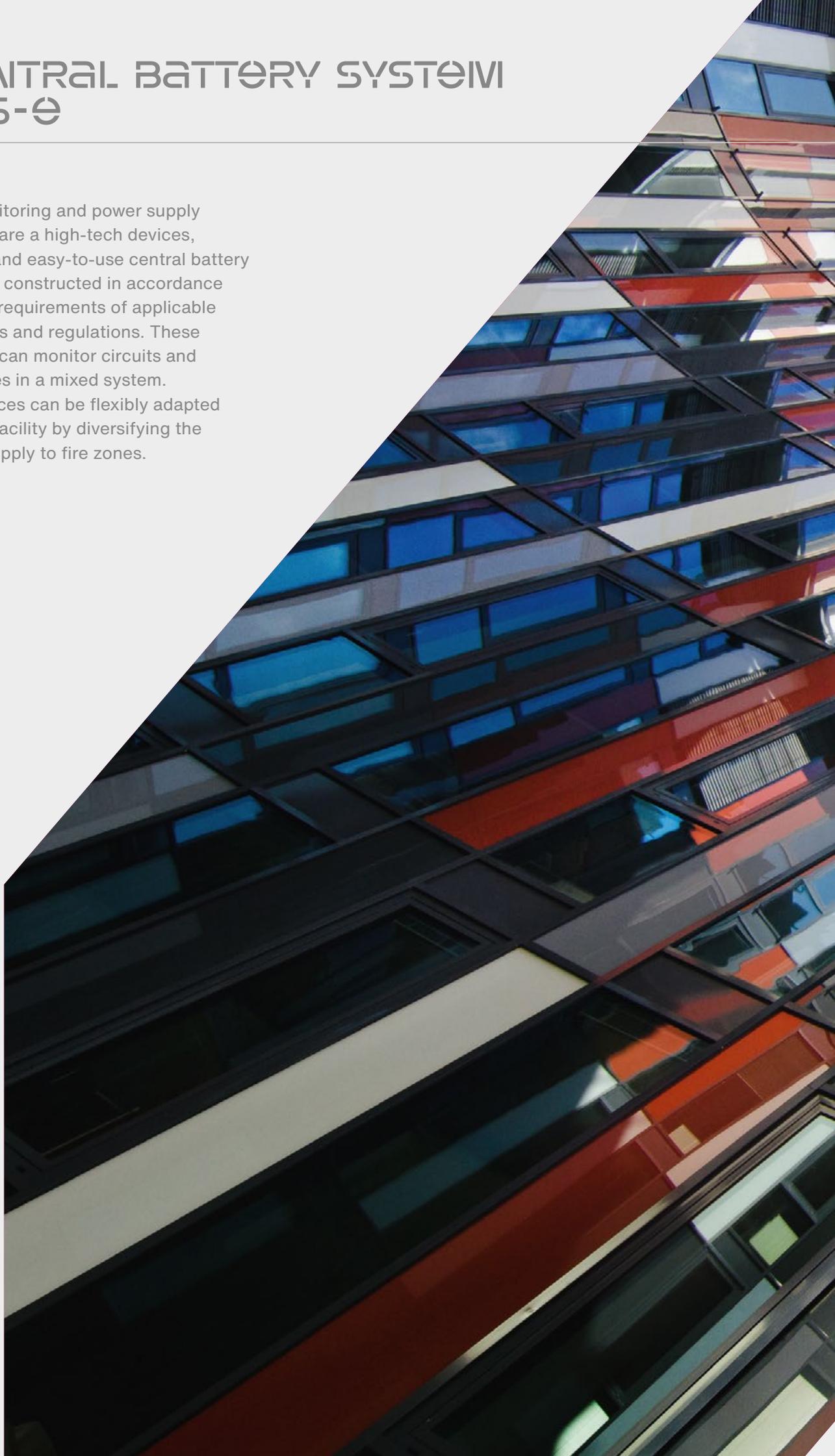
LEGEND



Dynamic Emergency Luminaires

CENTRAL BATTERY SYSTEM CBS-e

The monitoring and power supply systems are a high-tech devices, reliable and easy-to-use central battery systems, constructed in accordance with the requirements of applicable standards and regulations. These systems can monitor circuits and luminaires in a mixed system. The devices can be flexibly adapted to each facility by diversifying the power supply to fire zones.





Emergency
lighting systems



Additionally, taking care of the safety of rescue teams, all control panel systems can be forced to work in IT mode, both from the level of the cabinet and by an external signal.



IBMS

built-in individual battery monitoring system



20 kW

cabinets in range of power from 0.5 kW up to 20 kW for 3 hours of support



TOUCH PANEL

7" touch screen with intuitive menu



WEB SERVER

embedded functionality of handling from any internet browser



Modbus ready

COMPATIBLE WITH MODBUS

embedded Modbus for communicating with the BMS

01.005
00-1A-121A-0143

UNIQUE ADDRESSES

custom order of luminaires assembly on the communication line



BACnet ready

COMPATIBLE WITH BACNET

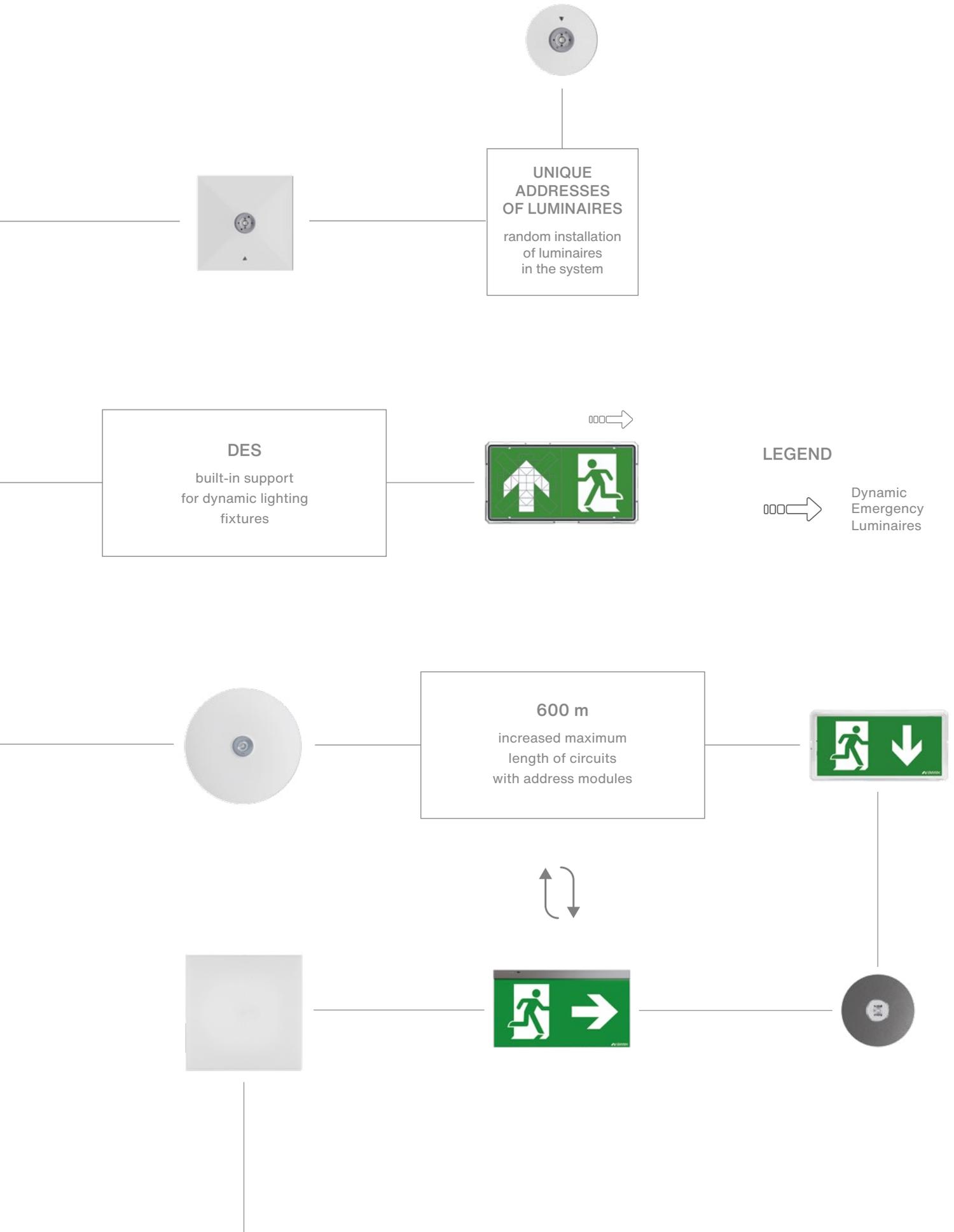
embedded BACnet for communicating with the BMS



DES

built-in support for dynamic lighting fixtures





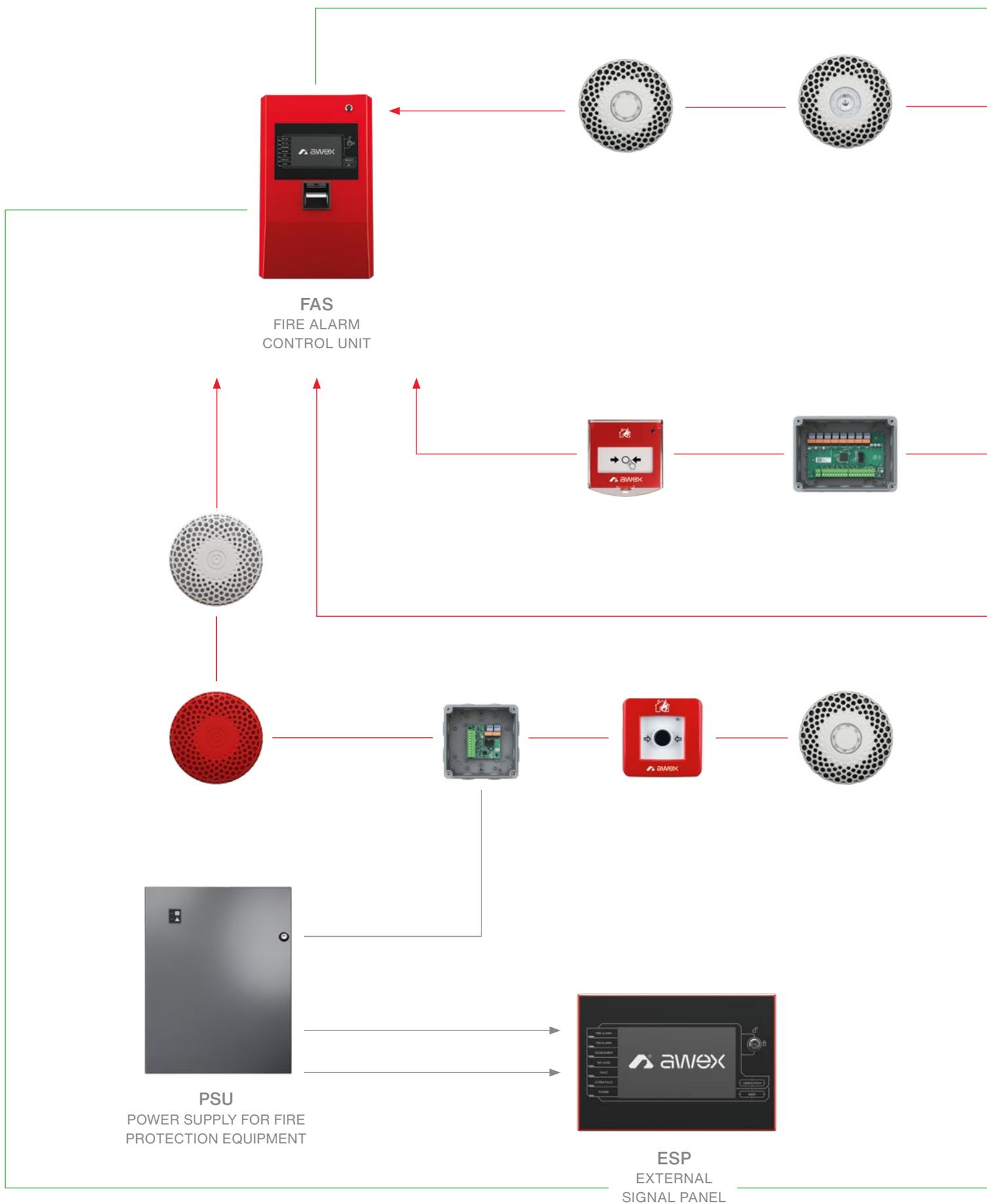
FIRE DETECTION AND ALARM SYSTEM

One of the basic fire safety systems is the fire detection system. As its name implies, its main task is to monitor a facility for potential fire hazards. It consists of control panels, automatic detectors, manual call points, monitoring and control modules and sirens.

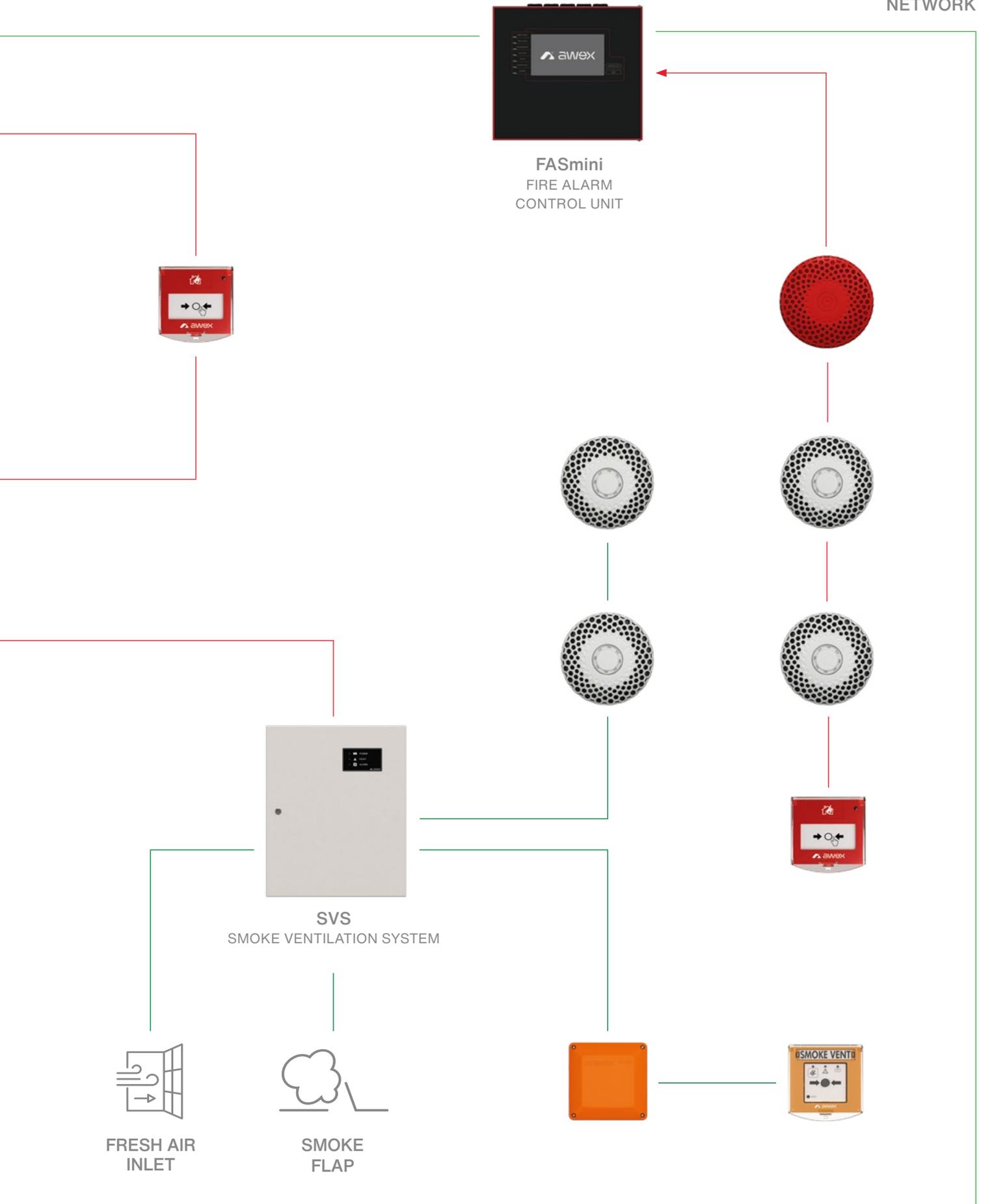


System works automatically using detectors which keeps checking the environment by monitoring the increase in smoke or temperature. Also manual alarm activation is possible by pressing red, manual call point. Fire alarm control unit is responsible for analysing the collected data and implementing the set scenario by activating the outputs of the MIO modules. Another basic device in the system are sirens which main task is to inform about necessity of evacuation.

SYSTEM INTEGRATION



NETWORK





TOUCH PANEL
7" touch screen
with intuitive
menu



WEB SERVER
embedded functionality
of handling from
any internet browser



Modbus
ready

**COMPATIBLE
WITH MODBUS**
embedded Modbus
for communicating
with the BMS

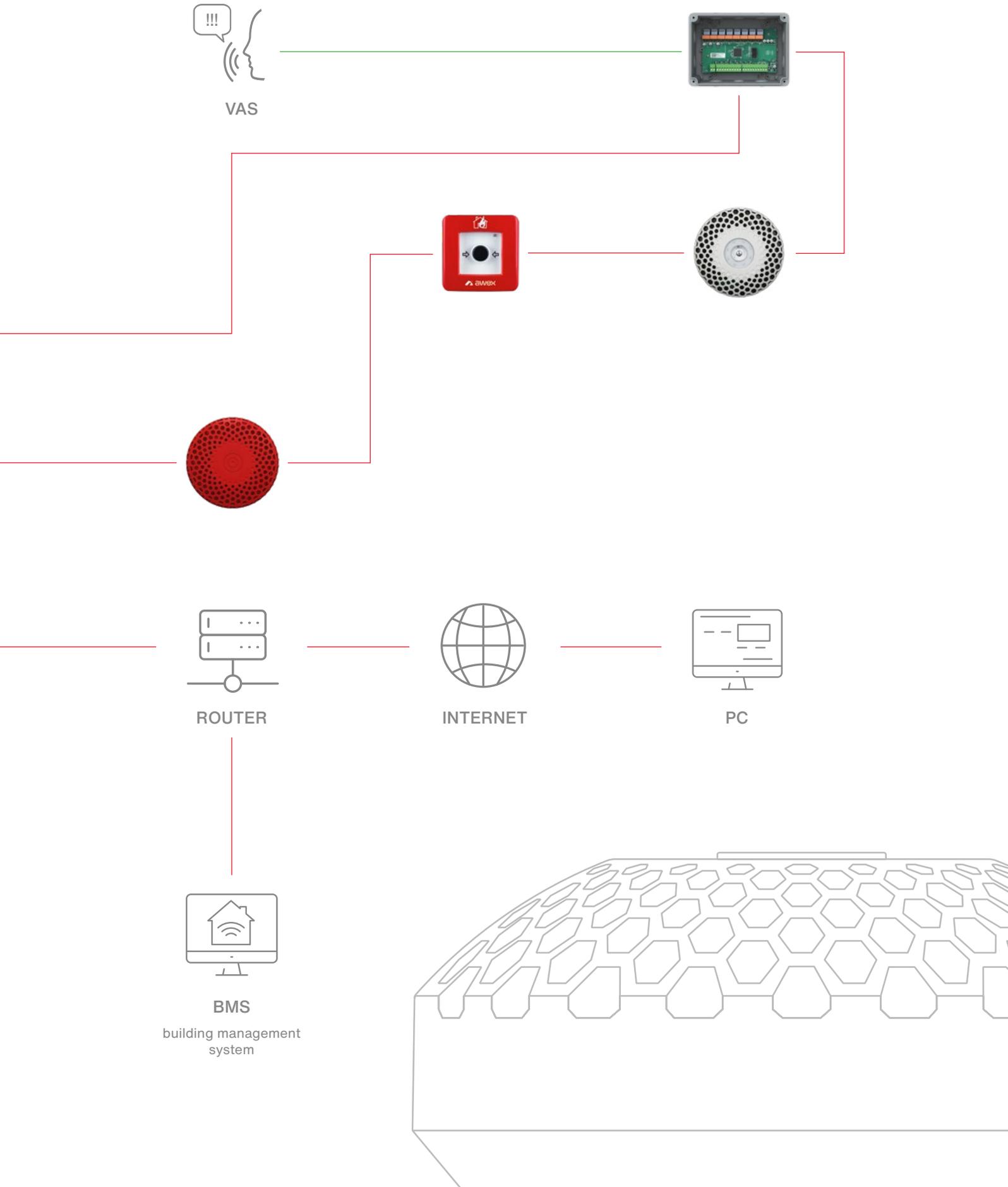


BACnet
ready

**COMPATIBLE
WITH BACNET**
embedded BACnet
for communicating
with the BMS



The FASmini control unit is part of a fire alarm system designed to protect human life and safeguard buildings and property. The control unit is responsible for collecting information from the points, controlling the equipment and transmitting information that a fire has broken out. By connecting to ATE, FASmini can send information to Fire Brigade.





TOUCH PANEL

7" touch screen with intuitive menu



WEB SERVER

embedded functionality of handling from any internet browser



Modbus
ready

COMPATIBLE WITH MODBUS

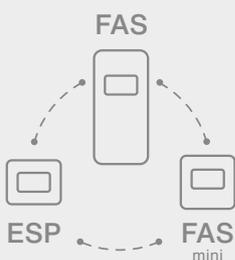
embedded Modbus for communicating with the BMS



BACnet
ready

COMPATIBLE WITH BACNET

embedded BACnet for communicating with the BMS



NETWORKING

up to 10 control units and 10 control panels





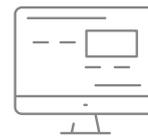
The control unit has modular structure, which makes its expanding and servicing easy. In its basic version, it is provided with a user panel, a control module with an integrated supervisory loop, a power supply unit and a set of batteries. Expansion and customisation of the control is achieved by installing appropriate extension cards and configuring the system.



ROUTER



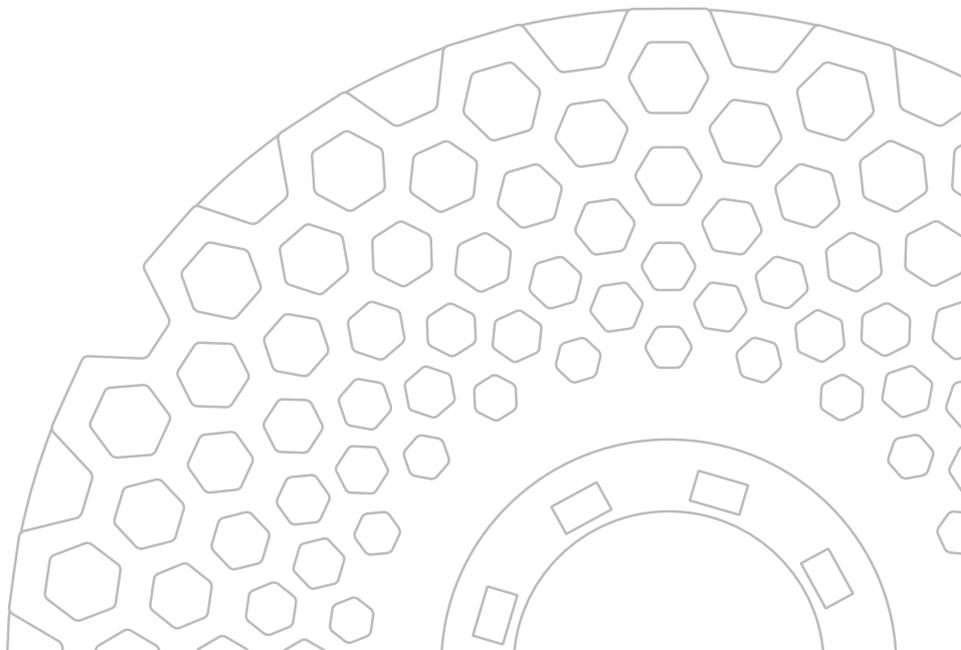
INTERNET



PC

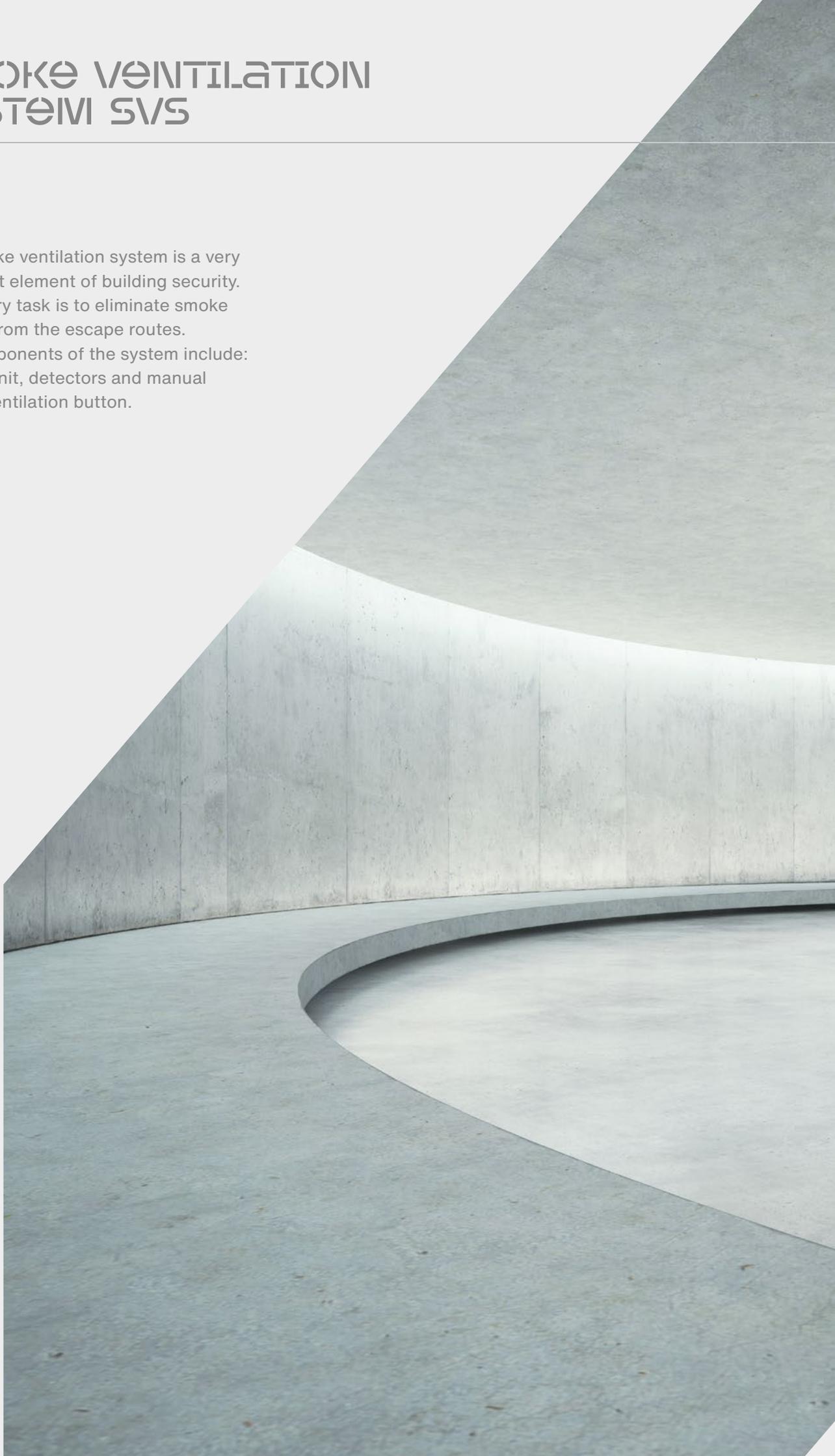


BMS
building management system



SMOKE VENTILATION SYSTEM SVS

The smoke ventilation system is a very important element of building security. Its primary task is to eliminate smoke logging from the escape routes. The components of the system include: control unit, detectors and manual smoke ventilation button.





According to general systems working scenarios, lifts should stop working during a fire. Hence, the stairwells become the only escape route. Smoke logging in this space is a serious impediment to the evacuation itself and to rescue operations. Therefore, for safety reasons, the ventilation of stairwells is crucial.



Smoke ventilation system
control unit



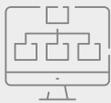
**CERTIFICATE
OF APPROVAL**

the product has
a Certificate of Approval



**EUROPEAN
CERTIFICATION**

the product meets the
requirements of the
European Directive



WEB SERVER

embedded functionality
of handling from
any internet browser



SMART VISIO

compatible with the
SMART VISIO platform



APP

smartphone app for
configuration and diagnostics

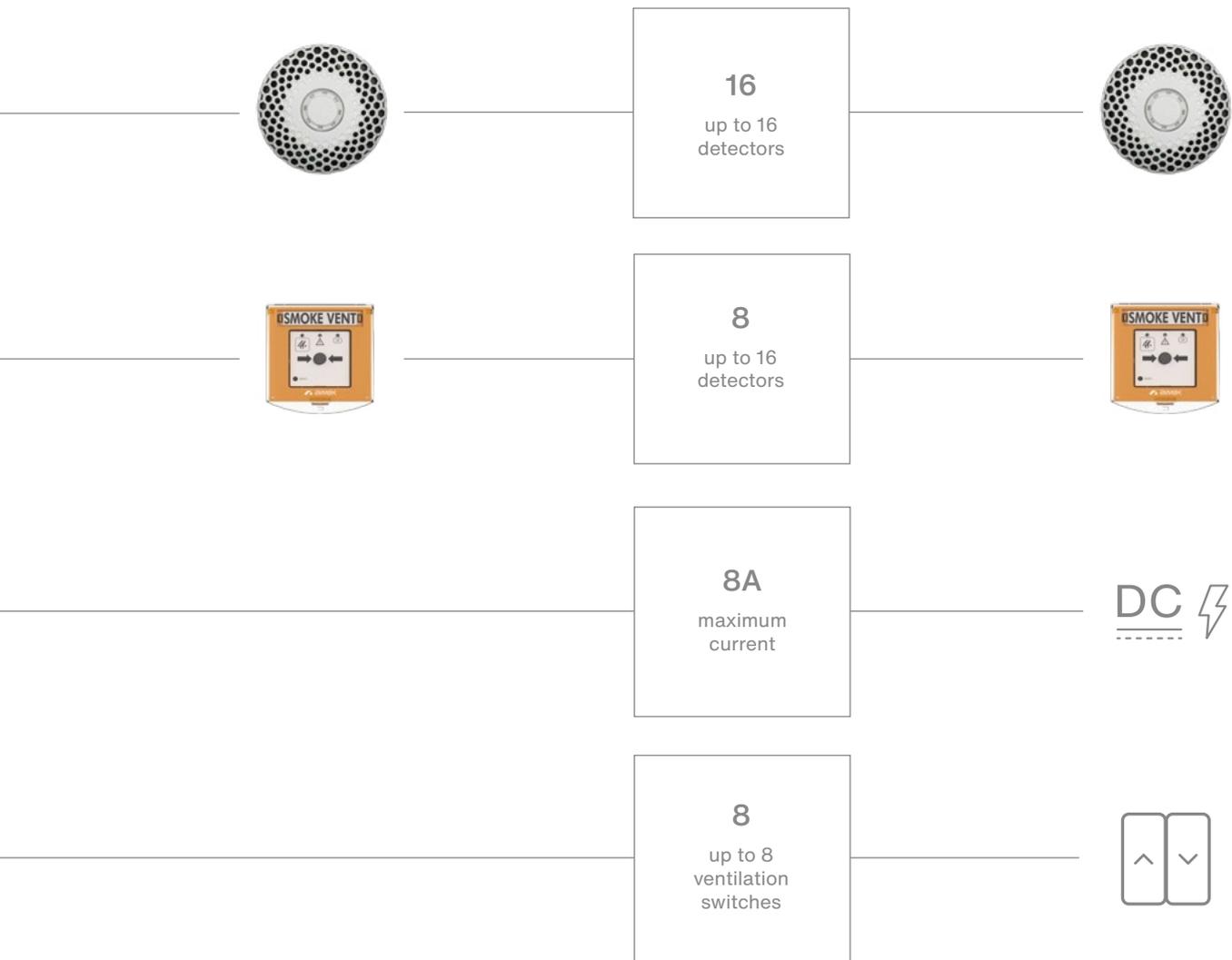
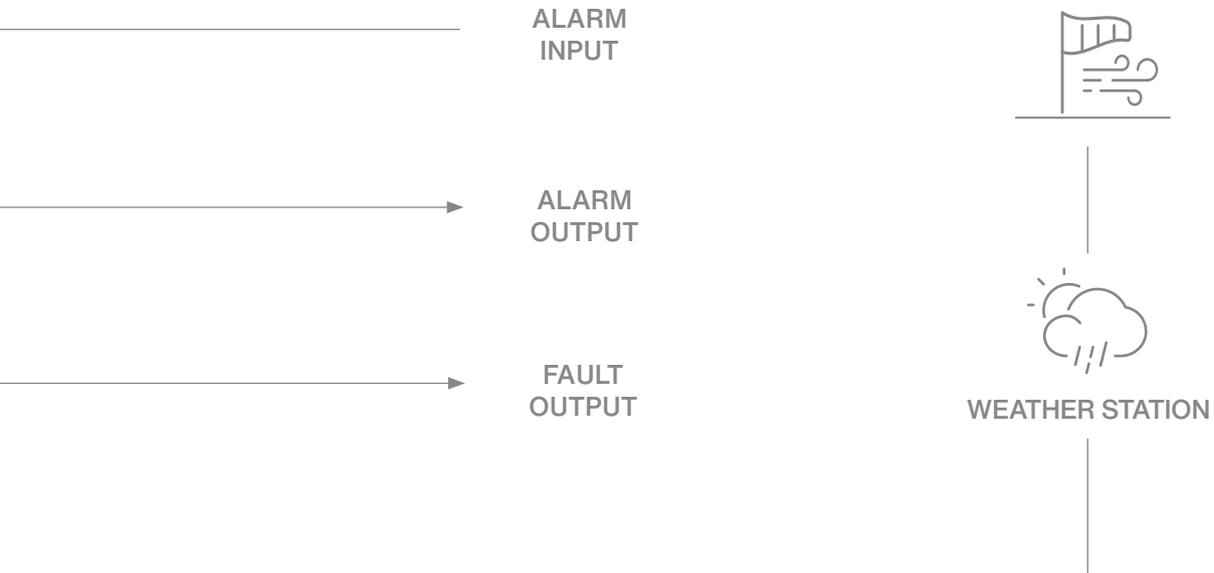


**BACnet
ready**

**COMPATIBLE
WITH BACNET**

embedded BACnet
for communicating
with the BMS





POWER SUPPLY FOR FIRE PROTECTION EQUIPMENT

The AWEX Fire Safety Systems contains also power supply unit for fire protection systems. Because of their very important role, devices which are part of fire alarm or heat and control systems needs to be powered continuously. This functionality is ensured by the EN 54-4 and 12101-10 compliant.



In the event of an AC power failure, the unit immediately and automatically switches over to a DC battery backup power supply. The power of the PSU is determined by the current consumption of their connected devices. Next step is to select a appropriate battery pack which ensure power for 72 hours in standby and 30 minutes in alarm mode.



CERTIFICATE OF APPROVAL

the product has a Certificate of Approval



EUROPEAN CERTIFICATION

the product meets the requirements of the European Directive



POWERING

wide range of AC powering



IP30

IP degree of protection

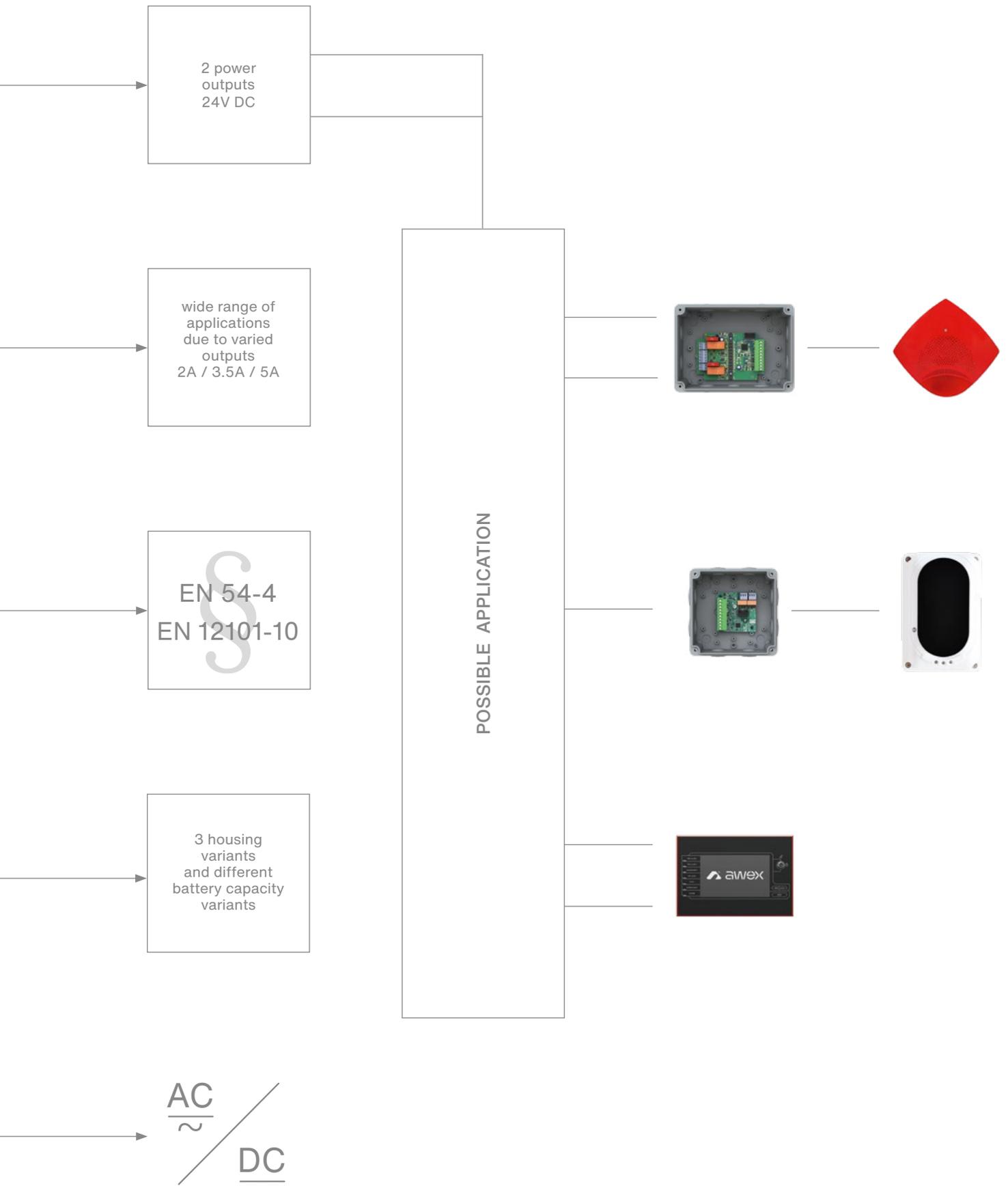


BACK-UP BATTERY SUPPLY

when AC power fails, automatic changeover to DC

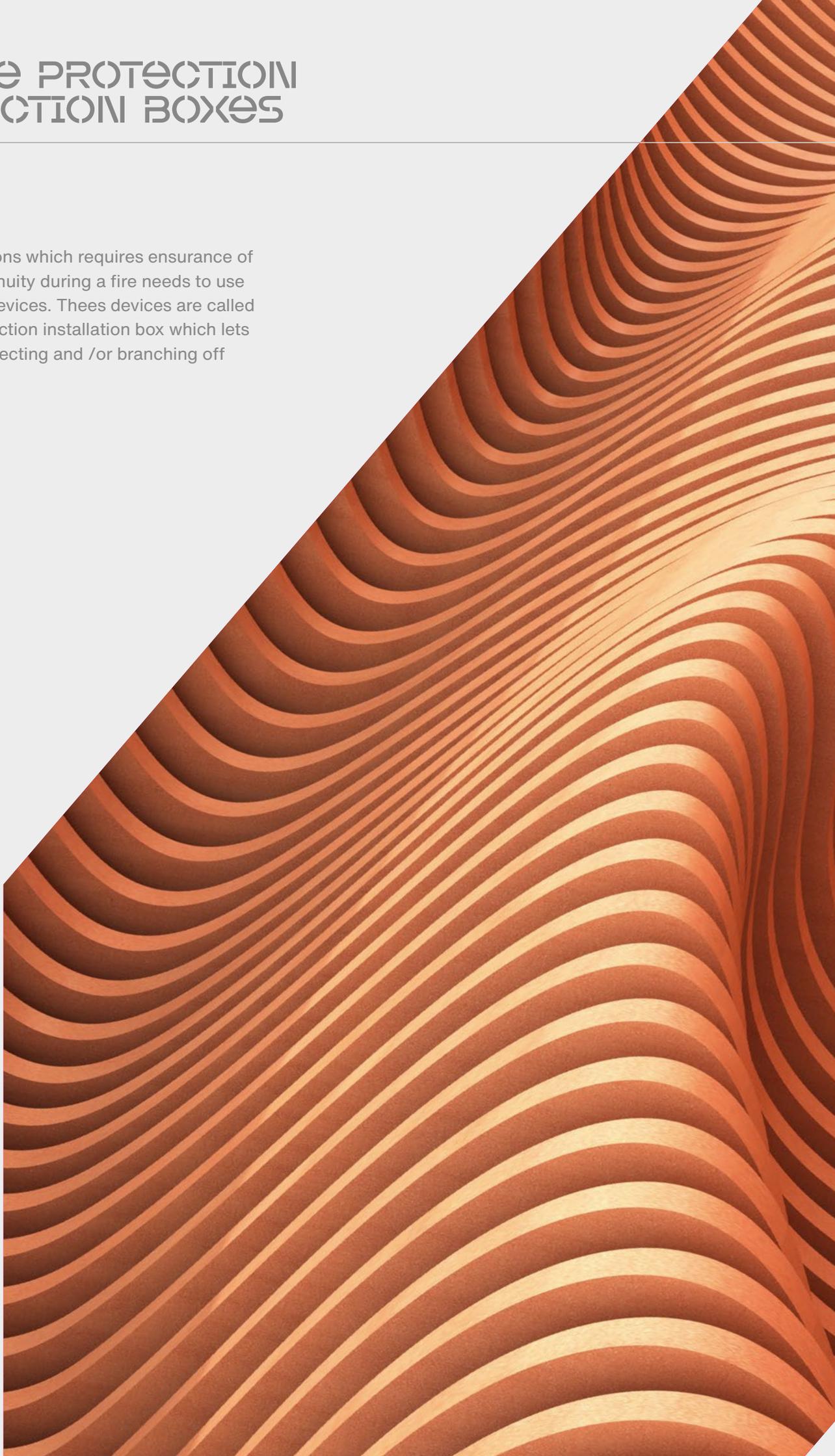


The primary task of power supplies for fire protection equipment is to ensure continuity of energy supply. The device has a battery pack (adapted to the load) as a backup power supply.



FIRE PROTECTION JUNCTION BOXES

Installations which requires ensurance of the continuity during a fire needs to use special devices. Thees devices are called fire protection installation box which lets you connecting and /or branching off wires.



The fire resistance of a junction box is determined by the parameter E30 / E60 / E90. In this designation, the numbers specify the time (in minutes) when continuity of power supply is guaranteed during a fire. The box performs this function through the use of ceramic connectors and metal fasteners. It is very important that the installation of these elements should only be carried out only on walls with sufficient fire resistance.

MI-BOX / L-BOX

Fire protection
junction box

The main task of the fire protection junction box is to branch off electrical circuits and ensure their continuity even under fire conditions.

An unquestionable advantage is also the high housing protection class - IP65.

AC/DC

POWER SOURCES DIVERSITY

possibility to connect
AC or DC power supply



CERTIFICATE OF APPROVAL

the product has
a National Certificate



IP65

IP degree of protection



FUSE

possibility of installing
accessory fuses
0.5 / 1 / 2.5 / 3.15 [A]



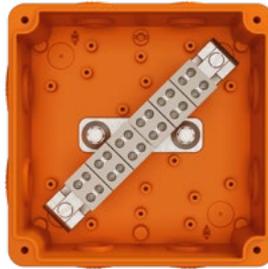
from 8 up to 32
connectors in
a single
junction box

M-BOX v1p



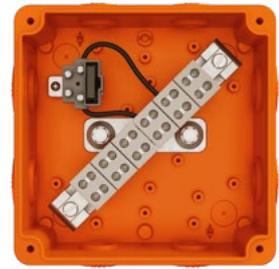
CONNECTORS
IN HORIZONTAL
ORIENTATION

M-BOX v1s



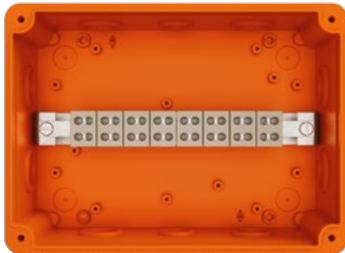
CONNECTORS
IN OBLIQUE
ORIENTATION

M-BOX v1s
with fuse



CONNECTOR WITH FUSE
IN OBLIQUE
ORIENTATION

L-BOX v1p



CONNECTORS
IN HORIZONTAL
ORIENTATION

L-BOX v2s



CONNECTORS
IN OBLIQUE
ORIENTATION

L-BOX v2s
with fuse



CONNECTOR WITH FUSE
IN OBLIQUE
ORIENTATION

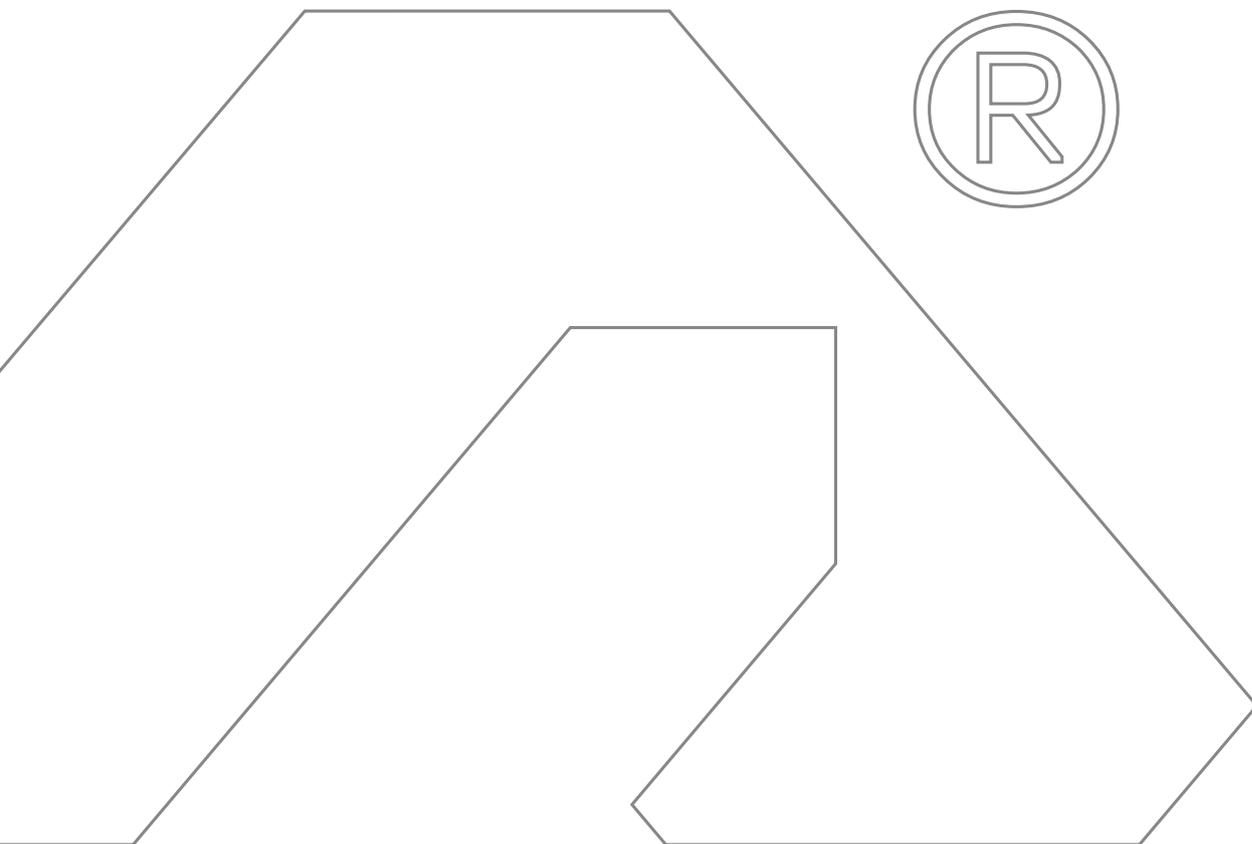
maintaining
circuit
continuity
during a fire
E30 / E60 / E90



FIRE RESISTANCE

installation
of wires
with a max.
diameter of
16 [mm²]





awex.eu