fire kloud

AEROSOL
REVOLUTION
TECHNOLOGY



UGA 8

Aerosol Control Panel

Data sheet

Installation, assembly and connection instructions

RINA P0019412/1

UNI EN 15276

ISO 15779

Rev. 01 EN 02/2024

FIREX TECNOLOGIE ANTINCENDIO

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MADE IN ITALY

Member of CISQ Federation
RINA
CERTIFIED MANAGEMENT SYSTEM
ISO 9001

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Product description

The UGA 8 Aerosol Control Panel is a complete interface for the management of aerosol extinguishing units. It can be powered by, and is capable of operating with, any fire detection and firefighting control panel as well as from an auxiliary power supply unit, providing an input for the "discharge activation" command.

The **UGA 8** has a microprocessor for sequential activation of 8/16 lines capable of managing up to a maximum of 12 dispensers each, for a total of up to 192 Aerosol generators. Aerosol management units of the UGA 8 series are available in three variants marked by the abbreviations:

- **UGA 8/1** unit in plastic case for managing 1 extinguishing zone (max. 8 activation lines).
- **UGA 8/2** unit in plastic container for managing 1/2 extinguishing zones (max. 8 activation lines per zone).
- **UGA 8-4A** unit in metal container for management of 1/2 extinguishing zones (max. 16 activation lines) complete with 24V 4A power supply unit complying with EN54-4 standards.

The **UGA 8** unit has a control panel for **Power Status** (Alim. and Fault LEDs), **System Status** (Unit Ok, General Fault, Alarm, Discharge Occurred, Deactivation/Test LEDs) and **Activation Lines Status** (L1-L8 LEDs).

The UGA 8 unit provides an electromechanical key for enabling and disabling the discharge lines.



The **UGA 8** has two power inputs, one main and one auxiliary, with the possibility for the latter to raise the output voltage of the discharge lines to 40 V.

The output section consists of individually controlled and current-limited (max. 0.7 A) trigger lines, a general alarm relay and a fault relay both with voltage-free contact.

Technical features

Model	UGA 8/1	UGA 8/2	UGA 8-4A
Storage temperature	da -5 a +40 °C	da -5 a +40 °C	da -5 a +40 °C
Operating temperature	da -5 a +40 °C	da -5 a +40 °C	da -5 a +40 °C
Degree of protection	IP 30	IP 30	IP 30
Dimensions	300x260x120 mm	300x260x120 mm	405x265x140 mm
Weight	1,7 Kg	1,95 kg	5,85 kg
N° of shutdown lines	Max 8	Max 16	Max 16
Voltage of shutdown lines	24 V/40 V *	24 V/40 V *	40 V
Shutdown zones	1	1/2	1/2
N° of generators per line	Max 6 (12)	Max 6 (12)	Max 12
N° of generators per management	Max 48 (96)	Max 96 (192)	Max 192
Absorption at rest	50 mA	100 mA	100 mA
Absorption in activation	0,8 A (1,7 A)	1,6 A (3,4 A)	3,4 A
Line voltage	-	-	230Vac +10% -15%
Mains frequency	-	-	50 Hz
Batteries (2x12V in series)	-	-	7 Ah

* depending on the chosen power source
( ) operation with voltage elevator

Firex reserves the right to make any technical modifications to the product.

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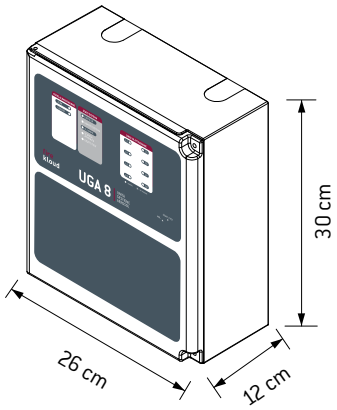
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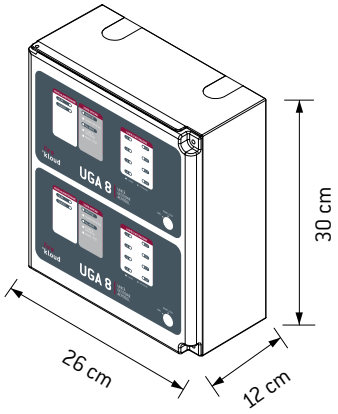
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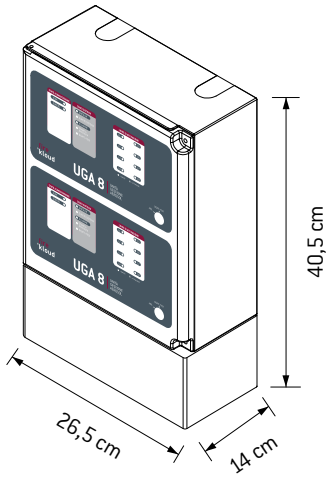
Dimensional specifications



UGA 8/1



UGA 8/2



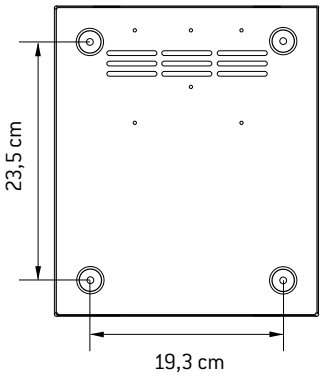
UGA 8-4A

Package contents

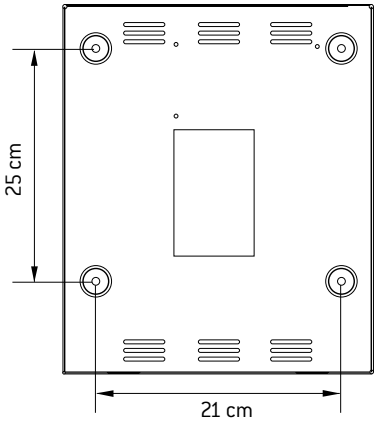
- UGA 8 Aerosol Control Panel.
- N° 8 balancing resistors.
- N° 2 Electromechanical keys.
- Installation and Operation Manual.

Warnings

Please consult the UGA 8 Installation and Operation Manual.



Fixing hole spacing
UGA 8/1 - UGA 8/2



Fixing hole spacing
UGA 8-4A

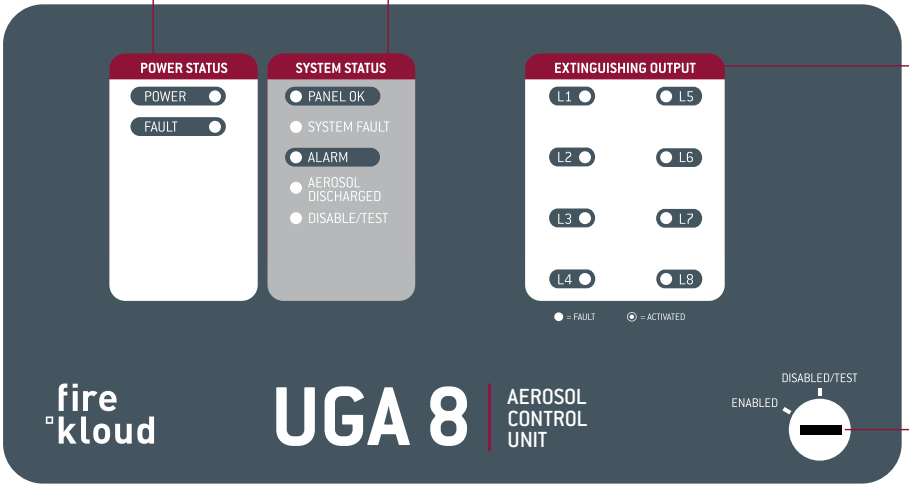
Panel signals

Power Status
Panel present in all units; it indicates the power status and if there are any faults but only for the units with power supply (UGA 8-4A)

System Status
Panel present in all units; it reports:
· the system status
· the presence of an alarm
· the disabled/test mode
· if the discharge has occured
· the system fault

Extinguishing output
Panel present in all units; it signals the status of the lines:
· if there are any lines in discharge
· if there are any individual line faults

Electromechanical key
Panel present in all units; sets the disabling/enabling of the system and the test mode during testing and maintenance phases



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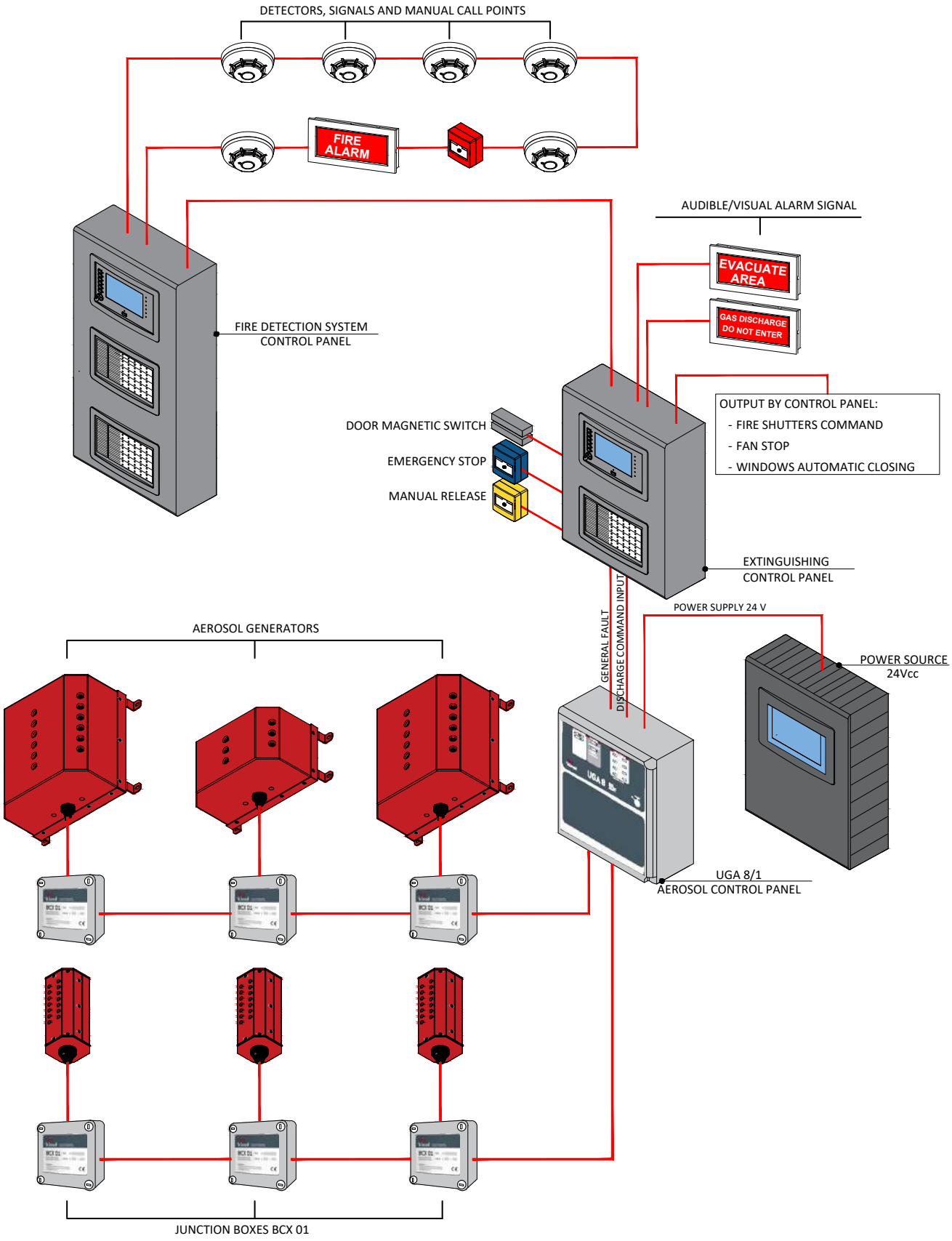
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Block diagram of automatic operation mode with detection unit and extinguishing control unit



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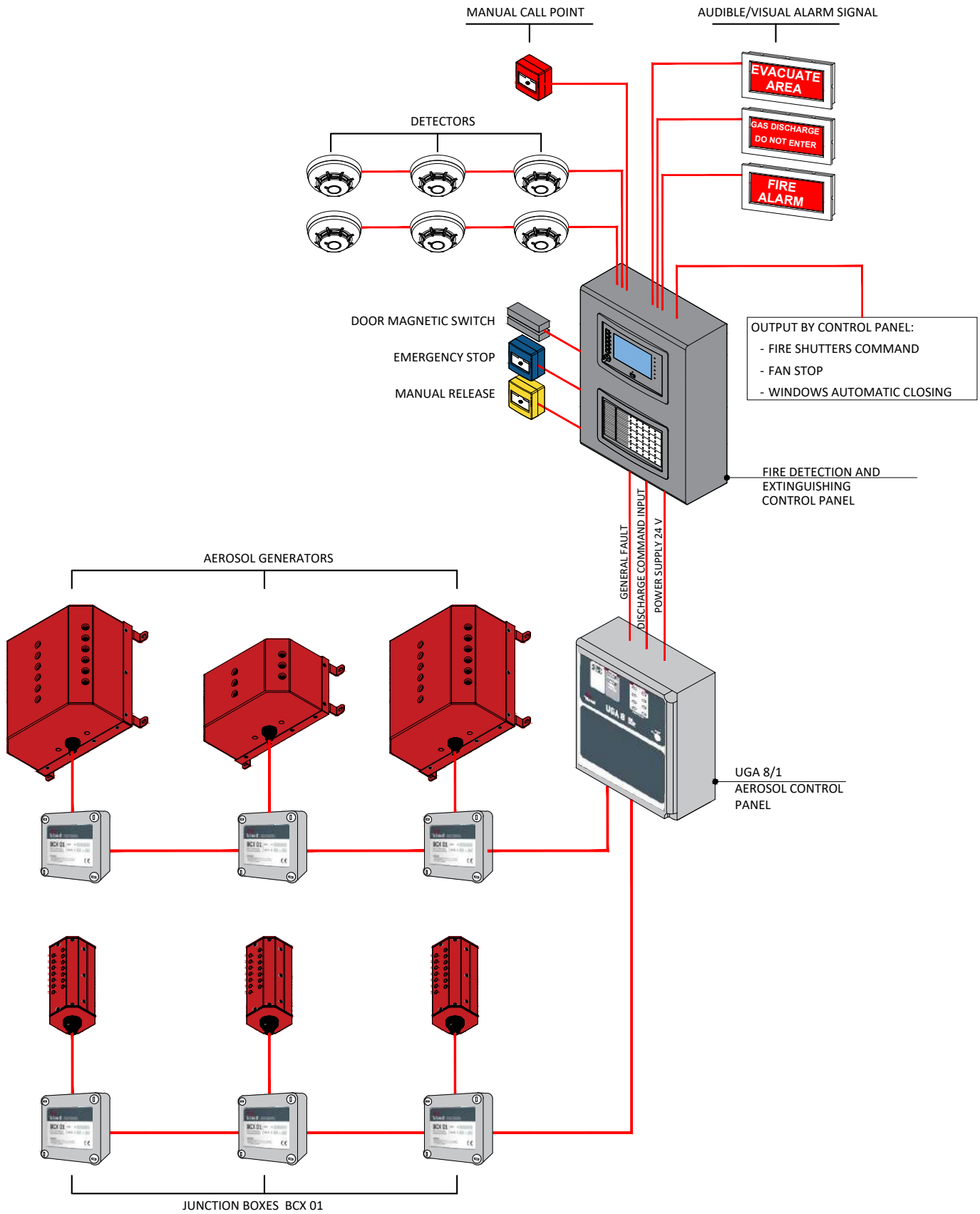
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