fire kloud

AEROSOL
REVOLUTION
TECHNOLOGY



BCX 01
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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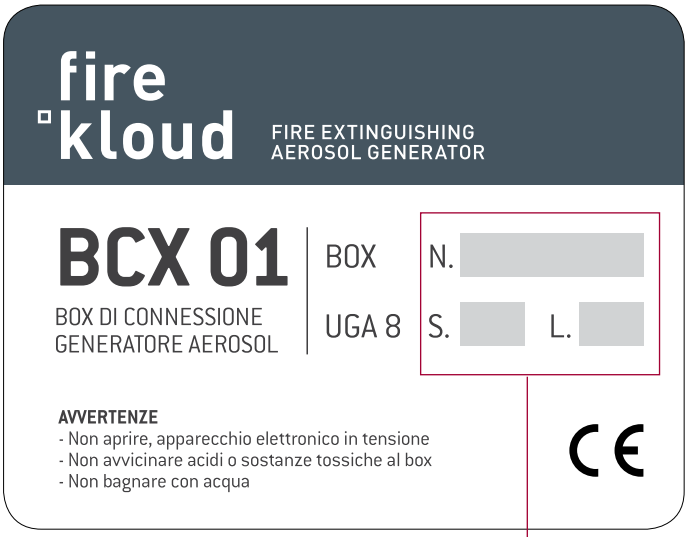
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BCX 01 identifying label

N. enter generator identification number (1 to 6/12)

S. enter sequencer identification number (1 to 2)

L. enter output line identification number (1 to 8)

Product description

The BCX01 junction box is a line continuity connection interface for multiple connection of aerosol generators to the control line. For each output line of the **UGA 8** aerosol management unit, **up to 6 generators can be connected using the BCX01** module. In the presence of auxiliary power supply (24 V min. 2A) the number of dispensers per line increases to a maximum of 12.

The PCB of the BCX01 has two terminals (L_IN/OUT) indifferently for the input/output of the activation line and one terminal (AEROSOL) for connecting the aerosol generator..

Each box has a label where the aerosol generator numbering, line, and connection board should be marked according to the plan distribution provided in the final design.

Technical features

Internal dimensions	100x100x50 mm
Degree of protection	IP 55

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

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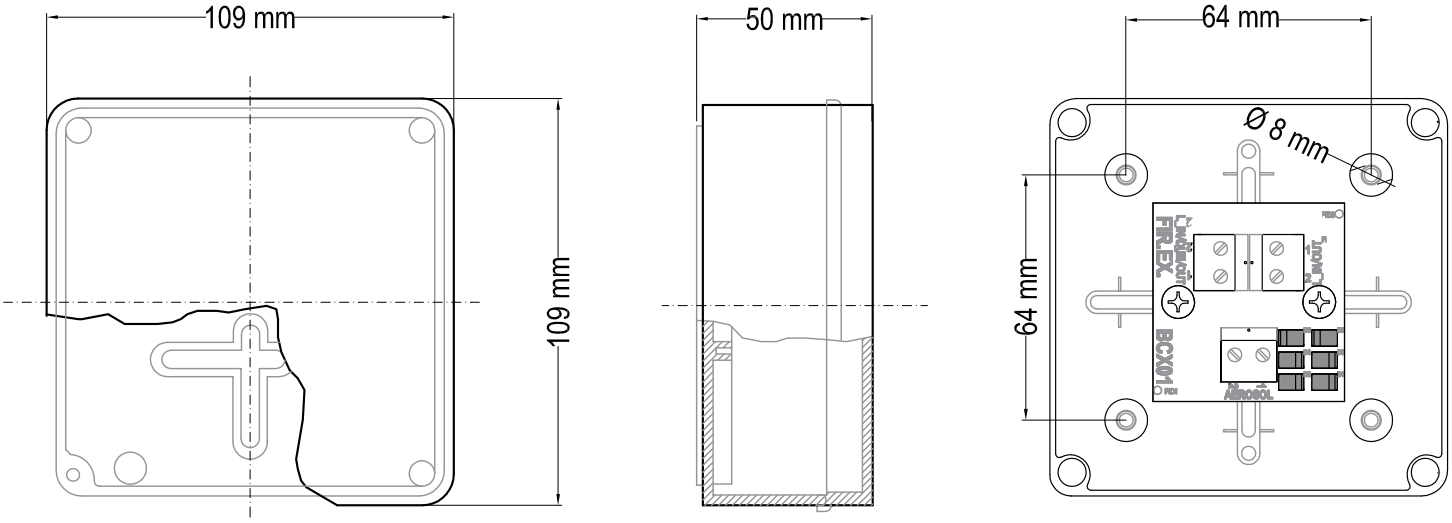
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Dimensional specifications



top view | side view | internal view

Package contents

- BCX01
- Data sheet

Warnings for a correct installation

- The BCX01 consists of an IP 55-rated plastic enclosure, has a cover with 1/4-turn locking screws, and has internal dimensions of 100x100x50 mm.The connection box has smooth walls with a maximum drilling diameter of Ø 29 mm. Four 8 mm holes are provided to fix the BCX01 (see dimensional details).
- The label should be compiled with a permanent marker in all of its sections to facilitate maintenance operations and understanding of the logic of the system.
- Depending on the floor plan distribution of the generators, the connection box can be rotated and, by using the L_IN/OUT terminals, twisting cable routes can be avoided, ensuring easy and safe wiring.
- Wiring should **NOT** take into account the polarity of the connecting cable.
- The L_IN/OUT terminals can be used indifferently for the input/output of the activation line.
- The line does **NOT** have to be balanced with a resistor, a jumper is sufficient.
- The connecting cable must be fire-resistant, unshielded, conforming to IEC 20105 EN 50200 PH30 2X1.5 sq. mm..
- The electronic board is equipped with removable terminals to facilitate installation operations (see Fig. 1).

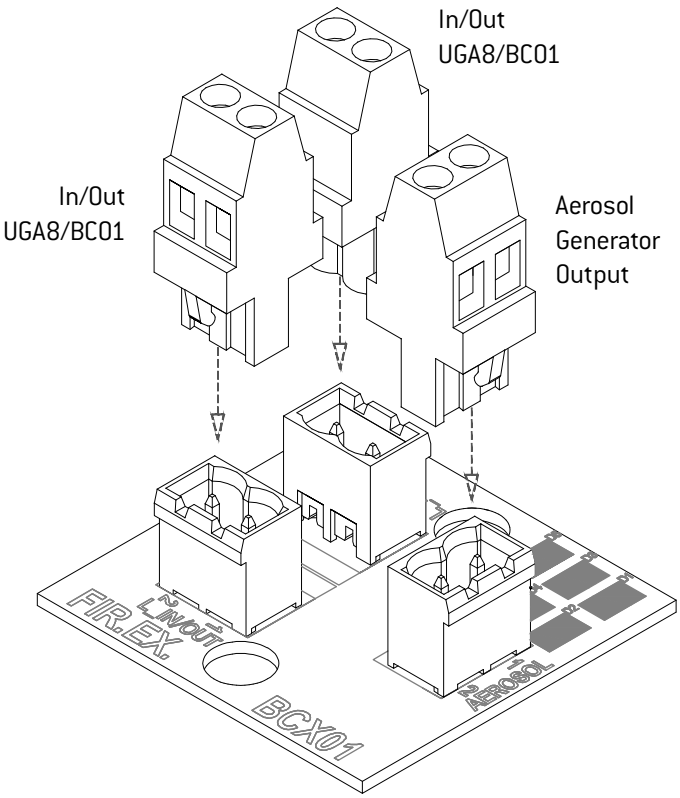


fig. 1: Electronic board axonometric view

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Example of aerosol generators connected in series with the BCX 01

