

11044127

BCE Exhaust control box

The ORDONE smoke exhaust control panel is addressable and can make major savings on cables.



Tableau ORDONE

PRODUCT BENEFITS

- addressable panel: major savings on cables,
- new: BCE box for exhaust management,
- new: BNS box for elevator management.

Principles of operation

The ORDONE smoke exhaust control panel can locate the source of the alarm and automatically send the smoke and heat exhaust command using appropriate storey boxes.

Product description

The ORDONE smoke exhaust control panel is addressable and can make major savings on cables in multi-occupancy residential housing. Using appropriate storey boxes, the number of cables is limited (1 for the 230 V mains power - 1 for the damper remote control - 1 potentially for the damper position control line).

Fields of application

Multi-occupancy residential housing, New, Refurbishment

Installation

- install ORDONE smoke exhaust control panel,
- BEA box:
 - Install on each building storey in the technical duct.
- BNS box:
 - Install next to elevator machinery.
- BCE box:
 - Install near to exhaust fan unit.

Reference arguments

- Suitable for smoke and heat exhaust systems in multi-occupancy housing.

Main characteristics

- capacity: 16 zones = 16 storeys on 1 bus, or 8 storeys on 2 bus,
- max. 2 BCE boxes (1 per bus),
- max. 4 BNS boxes,
- mains power supply: 230V + 10 %-15 % - 50 Hz,
- mains consumption: max 12 W,
- rated voltage: 24 VDC,
- 2 timed-operation command outputs for smoke and heat exhaust fan,
- secondary source: 2 x 12V / 7Ah lead batteries, maintenance-free (supplied),
 - battery life: 12 hours on standby following by 1 hour in failsafe mode,
- fan control: by NO contact 1A 30 VDC, 10-sec timer,
- report contact: Fire Alarm x 2, Inverter disturbance 1 A 30 VDC,
- dimensions (mm): Length x Height x Depth = 265 x 482 x 120.

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Supplementary characteristics

- BEA storey box:
 - dimensions (mm): L x H x D = 190 x 150 x 90,
 - beyond 3 dampers for 1 BEA, an additional power supply is needed (consult us).
- MDR modules:
 - serve to avoid any risk of polarity inversion when installing the diodes,
 - pre-wired modules with built-in diode,
 - black MDR = intermediate modules,
 - red MDR = end of line, used for last damper on each storey.
- BCE exhaust control box:
 - automatically controls the opening of the natural vent in case of failure of the smoke and heat exhaust fan,
 - 24 V safety box output, current make,
 - max. 24 V natural draw damper output, current make,
 - inverter contact on natural draw damper control,
 - dimensions (mm): L x H x D = 190 x 150 x 90.
- BNS elevator non-stop box:
 - ensures elevator non-stop function,
 - number of contacts = 16 (1 per storey), NO or NC,
 - dimensions (mm): L x H x D = 190 x 150 x 90.

