

# 11044122

## ORDONE smoke exhaust panel

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ORDONE panel

### 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.

