

SmokeESC FSC-3000

Pressure Controller for Fire Ventilation Systems

Device description

The regulator controls the fan speed so as to maintain the set overpressure in escape routes. The Innovation Vent BUS bus implemented in the regulator enables reading the pressure in real time from 24 sensors. The Innovation Vent Thrace algorithms implemented in the device guarantee short response times and compliance with EN 12101-6 and EN 12101-13.

Features

Algorithms Innovation Vent Thrace

The FSC-3000 implements the Innovation Vent Thrace and Thrace PA algorithms, which are self-configuring, speed up commissioning and ensure compliance with EN 12101-6 and EN 12101-13.

Main line Innovation Vent BUS

The FSC-3000 can communicate with up to 24 PS-3000 and SDC-3000 via the digital Innovation Vent BUS. The digital bus provides real-time communication, cable breakage immunity and wiring reduction.

Support for any building

The FSC-3000 will serve every type of building, from staircases and elevator shafts, through fire lobbies to high-rise buildings.

Easy-to-read display

The FSC-3000's built-in display enables a quick overview of the most important system parameters and fault information.

History of events and errors

The FSC-3000 stores up to 1000 recent events and configuration changes in memory.

Technical parameters

| PARAMETER | VALUE |
|-----------------------------|--------------------------------|
| Supply voltage | 24 V DC |
| Power consumption | typ. 90 mA, $I_{MAX} < 160$ mA |
| Battery | CR2032 |
| Communication | USB, IV BUS, Modbus RTU |
| Working temperature | from -25 °C to +50 °C |
| Output signal | 0 - 10 V DC |
| Enclosure protection rating | IP20 |
| Dimensions | 108x90x62 mm |
| Weight | 200 g |

