



AURASAFE MINI

CONTROLSYSTEM FOR MONITORING FIRE DAMPERS

AURASAFE mini is the most easy-to-use system for controlling and monitoring fire dampers in ventilation systems. Bus-communication to fire dampers reduces the need for cabling and free topology makes cabling simple and cost-effective. Possibility of redundancy via ring topology provides increased security.

The system can be started quickly and easily without the need for a PC or programming tools. Easy addressing via DIP switch is done on site and the control unit automatically finds connected modules.

- Complete control system for fire dampers
- Monitors up to 500 fire dampers
- Free topology
- Connection to BMS by Modbus/BACnet

APPLICATION



- AURASAFE mini is a control- and monitoring system for fire dampers.
- It can monitor and control up to 500 fire dampers, by combining the control unit with booster modules.
- The system is suitable for small and medium-sized facilities where there is no need for multiple fire scenarios to be taken into account.
- AURASAFE mini is equipped with a relay output for stopping fans, input for fire alarm, digital error signal and Modbus/BACnet communication to BMS systems.

FUNCTION □

- AURASAFE Mini communicates with damper module TX-BRS3 via flexibus.
- A 2-wire cable with free topology is used, and this contains both bus-communication and 24V operating voltage for fire dampers.
- A TX-BRS3 is set up for each fire damper in the facility.
- AURASAFE Mini controls the fire dampers based on received signals, and exercise of dampers can be done automatically, manually via control panel, or by signal from BMS system.

DESCRIPTION □

The AURASAFE Mini controller is encapsulated in an IP65 box. The other components of the system are also encapsulated in plastic boxes.

TECHNICAL INFORMATION

Technical data	
Power supply	AC 230 V, 50/60 Hz
Connection	Clamps, max 250 VAC. Cable diameter 0,5...2,5 mm ²
Communication with damper	Up to 12 dampers can be connected together in a section of 100 m, 1.5 mm, 2 2-wire cable

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Product:

Components:

- 1 = TX-CTRL1 Controller std 12 Dampers, Modbus RTU
- 2 = TX-CTRL2 Controller lite 8 Dampers, Modbus RTU
- 3 = TX-BO1 Boostermodule
- 4 = TX-BRS3 Dampermodule for fire- and smoke dampers
- 5 = TX-RKS3 Dampermodule for smoke control dampers
- 6 = TX-INP3 Inputmodule for smoke detector/fire thermostat
- 7 = TX-FEP1 Faultpanel
- 8 = TX-TEM3 PT1000 Inputmodule
- 9 = TX-DREL3 Relaymodule 4DO
- 10= TX-RBRS3 Damper/Relaymodule 230V
- 12= TX-EXP1
- 13= TX-CTRL-BM1 Controller 12 Dampers, BACnet/Modbus IP
- 30= TX-BRS2