



## 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 <sup>2</sup>
Communication with damper	Up to 12 dampers can be connected together in a section of 100 m, 1.5 mm, 2 2-wire cable

Aurasafe Mini -

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