

Subscription Text FSC-UFC24-230

Universal Field Controller FSC-UFC24-230 to control and monitor 1 motorized fire or smoke extraction damper with standard 230V fire or smoke extraction damper actuator as well as 1 smoke detector and 1 thermo-electrical tripping device. Integration into a Modbus RTU or BACnet MS/TP system or control via analog signal. The system allocations are directly adjustable at the FSC-UFC24-230. The device is mounted at or close to the damper. Thanks to the mounting bracket, the FSC-UFC24-230 can easily be snapped on at any time during the project (at the manufacturing plant or at the job site). Connection and power supply of the actuator and other devices through AMP plugs and/or via quick connections (terminals). Cable entry of the connected devices into the FSC-UFC24-230 possible from 4 sides. Integrated LED display.

The FSC-UFC24-230 needs to be powered with a 24V AC or DC connection as well as a 230V AC connection for the actuators. It provides the power supply to the actuators and the other connected devices.

The functions of all connected devices are constantly monitored. Following control modes can easily be chosen through dip switch terminal in the FSC-UFC24-230:

- Fire or smoke extraction application
- Bus protocols: Modbus RTU or BACnet MS/TP (RS-485)
- Conventional: digital Input and analog output signals

Integrated bus monitoring function for BACnet and Modbus in connection with any BACnet or Modbus controller or the FSC-M60. Integrated run time monitoring function for the actuator, adjustable. Integrated 'Full Auto Test' function selectable by bus. Independent damper testing anytime possible by integrated test button. Automatic baud rate detection when connected to BACnet.

The FSC-UFC24-230 contains 127 binary addresses for Modbus RTU (RS-485) and BACnet MS/TP (RS-485). Connection of up to 100 devices on a Modbus line or up to 65 devices on a BACnet line.

LED's are indicating the function, position, status and error message of the fire or smoke extraction damper and other connected devices.

Digital input for safety application. Analog output signals which indicate the status of the connected devices.

Summary of technical data:

- Nominal voltage FSC-UFC24-230: 24 V AC / DC
- Nominal voltage actuator: 110 – 230 V AC
- Modbus RTU (RS-485) or BACnet MS/TP (RS-485) or analog connection
- Auto detect baud rates for BACnet (9.600, 19.200, 38.400, 76.800 bps)
- Baud rates Modbus 9.600, 19.200, 38.400, 76.800 bps, selectable
- Max. wiring length Modbus and BACnet: 1'200 m (without repeater)
- Standard RS-485 cable: 120Ω at 1 Mhz. Made of 24# flexible twisted pairs overall foil + braidshielded and overall jacketed with a flexible compound for indoor use, or similar.
- Connections: AMP plug-in connections and quick connections (terminals)
- Configuration and addressing via dip switch terminals directly at the FSC-UFC24-230
- Low Voltage Directive: CE in accordance 2006/95/EC
- Protection degree: IP 42
- Suitable actuators: Standard 230 V fire or smoke extraction damper actuator

Article number: FSC-UFC24-230 or similar



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