



CABV

Control unit for smoke detectors

The CABV control unit is used together with smoke detectors SSDD e SSDC. The control unit provides power for connected smoke detectors and transmits smoke and service alarm.

- For detectors with service alarm signal
- For supply voltage 24 V AC/DC o 230 V AC
- Two relay contact for alarms
- LEDs for operation, smoke alarm and service alarm
- Compact design for DIN-rail mounting

Function

CABV is designed to satisfy all the requirements of a reliable fire protection unit. The control unit continuously monitors that the power supply and current values are normal.

A green LED indicates that the power supply is switched on. The control unit is connected to the smoke detectors by means of a two-wire loop.

Up to 20 detectors can be connected to the same control unit. An end resistor should be connected to the last detector to end the loop. The end resistor is delivered with the unit.

Alarm loop failure

In the event of a short-circuit or open circuit in the detector loop, the control unit will activate the smoke alarm relay.

Smoke alarm

When a detector senses smoke, the red LED lights up and the alarm relay indicating a smoke alarm is activated. After an alarm signal, the unit is reset using the RESET button on the front.

Service alarm

When the degree of accumulated dust and dirt have reached the level at which there is the risk of false alarms, a service alarm is given indicating that cleaning of the detectors is required. A yellow LED will light up on the control unit and the service alarm relay is activated.

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CABV

Models

Control unit	Service alarm	Supply voltage
CABV-S-300/D	Si	230 V AC
CABV24-S-300/D	Si	24 V AC/DC

Technical data

Supply voltage	24 V AC/DC or 230 V AC +/-10%, 50-60 Hz
Power consumption	normal functioning 30 mA
Ambient temperature	-10...+45°C, non-condensing
Material front cover	PVC Makrolon white
Mounting	DIN-rail
Protection class	IP20
Weight	0,16 kg (24 V) / 0,23 kg (230 V)

Input

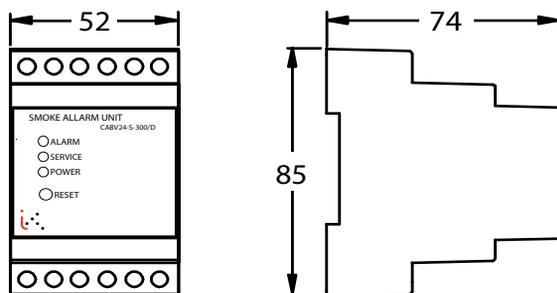
Max. current in the alarm loop	70 mA
End resistor	2,2 kOhm (connected to the last detector in the loop)

Output

Smoke alarm	Relay R1: change-over contact 230 V AC 8A Relay R2: closing contact 24 V AC 1A
Service alarm	Relay S1: closing contact 24 V AC 1A

Dimensions

Measurements in mm.



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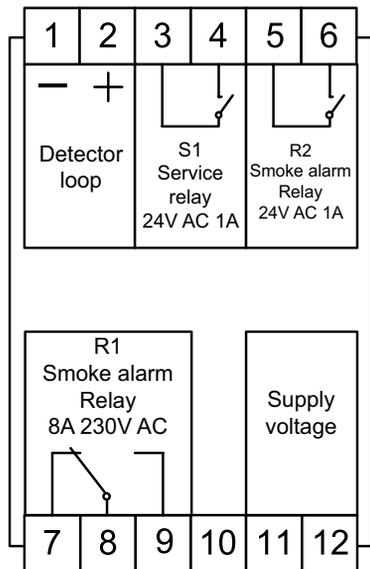
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Wiring

CABV-S-300/D



Relay R1:

Change-over relay. In the event of an alarm:
Closing relay between 8-9.

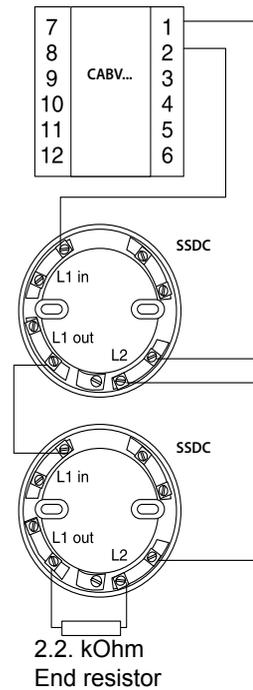
Relay R2:

In the event of an alarm: Closing relay between
5-6.

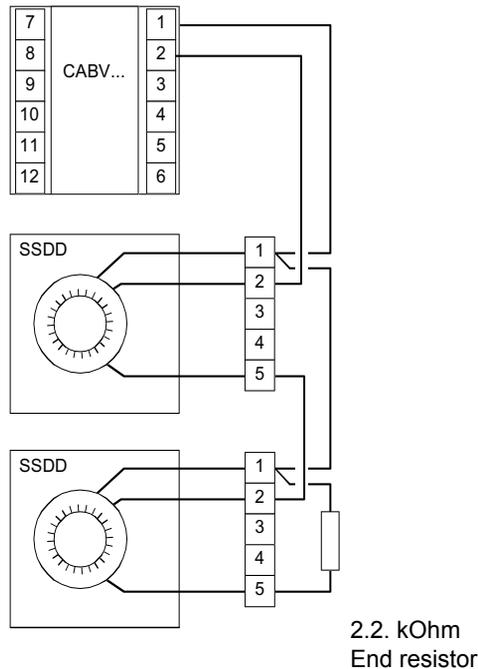
Relay S1:

In the event of a service alarm: Closing relay
between 3-4.

CABV... with SSSDC65-OE



CABV... with SSDD-OE65



Documents

Document	Description
Instructions CABV	Instructions for commissioning and start-up

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