

ABAV-S3 230V ATEX CONTROL UNIT WITH ATEX BARRIER

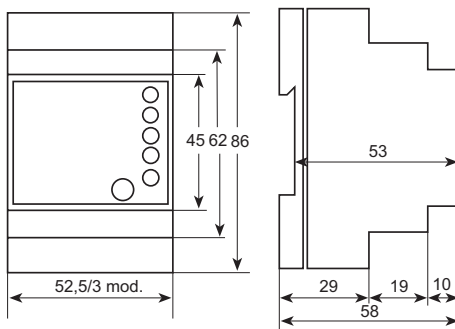
for smoke detector EVC-PY-IS ATEX



TECHNICAL DATA

Supply voltage:	230V AC, $\pm 10\%$, 50-60 Hz
Power consumption:	1.8 VA
Alarm outputs:	One alternating switch 250V, 8A One breaking switch 250V, 8A
Fault alarm output:	One alternating switch 250V, 5A
Terminating resistor:	2.2 kOhm
Indications:	
Operation:	Green LED
Short circuit in detector circuit:	Yellow LED
Interruption in detector circuit:	Yellow LED
Alarm:	Red LED
Mounting:	DIN rail
Number of detectors that can be connected:	1 EVC-PY-IS ATEX
Ambient temperature:	0-50°C
Eex class for barrier and smoke detector:	Eex ia IIC T4 (Tamb -10°C to +50°C)
The following values apply to the smoke detector circuit	
Short circuit (fault signal):	> 100 mA
Interrupt (fault signal):	< 2.3 mA
Alarm (smoke alarm):	> 24.9 mA
Weight:	230V=280 g
Protection class:	IP20

DIMENSIONS (mm)



FUNCTION

ABAV-S3 230V ATEX comes with an ATEX barrier/insulator which is approved as an associated electrical appliance in intrinsically safe circuits as set out in \odot II (1) DG [EEx ia] IIC for the supply of certified or simple appliances into zone 0. The barrier/insulator is also approved for installation in zone 2 as set out in \odot II 3G EEx nA II T4.

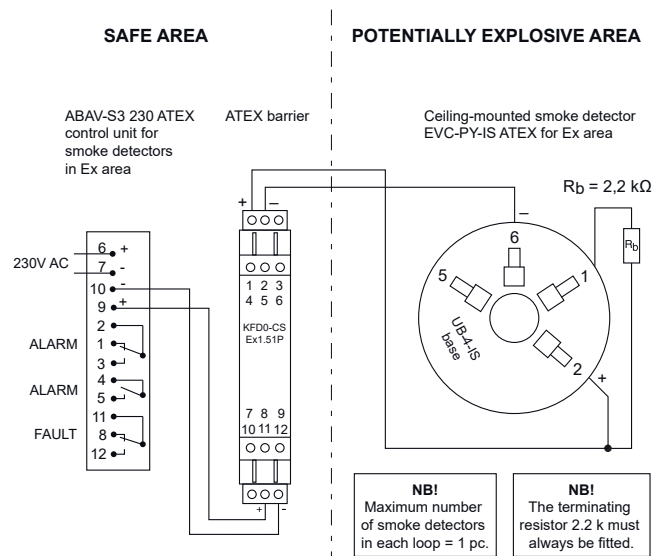
This control unit is designed to meet the need for reliable fire protection when used together with our smoke detectors. ABAV-S3 230V ATEX is fitted with relay contacts for controlling dampers and fans. In addition to smoke alarms, the ABAV-S3 230V ATEX is also fitted with a fault alarm relay.

In the event of a smoke alarm, a red LED lights up and the alarm relays drop at the same time.

Short circuits and interruptions energise the fault relay and alarm relays and at the same time the relevant LED lights up (interruption, about 10 seconds delay). If short circuits or interruptions return, the relays drop and the relevant LED starts to flash slowly: alarm memory.

Relay test: Press and hold the reset button for 5 seconds.

CIRCUIT DIAGRAM



The alarm and fault relay contacts are displayed in de-energised/ alarm condition. Alarm relay max 8A, 250V. Fault relay max 5A, 250V.

ORDERING EXAMPLE

Item code	Description
ABAV-S3 230V ATEX	Control unit for ATEX smoke detectors, comes with ATEX barrier
EVC-PY-IS ATEX	ATEX smoke detector, opt, intrinsically safe, base included

ACCESSORIES

Item code	Description
EVC-PY-IS/I	ATEX smoke detector, opt, intrinsically safe, head
UB-4-IS	Base for EVC-PY-IS/I intrinsically safe