

# Detectors

## Ionisation single-tube smoke detector for duct mounting

600 mm venturi tube is included.



Technical data	
Supply voltage	9...33 V DC (via ABV control unit). 24 V AC $\pm$ 15 % for RAC(M) models.
Power consumption, incl. end resistor (not RAC(M))	Normal operation: 11 mA at 24 V DC. Alarm condition: 50 mA at 24 V DC. Service alarm condition: 20 mA at 24 V DC.
Mounting	Duct
Protection class	IP54

Article	Description
SDD-S65	Ionisation detector
SDD-S50	Ionisation detector with service alarm
SDD-S65-RAC	Ionisation detector with AC power supply and relay output only
SDD-S65-RACM	Ionisation detector with AC power supply and relay output only. With auxiliary fan.
SDD-S65-M	Ionisation detector with auxiliary fan
SDD-S50-M	Ionisation detector with auxiliary fan and service alarm

### Accessories

Article	Accessories
TDS	Mounting spacer for insulated pipe ducts
VR600	Venturi tube, 600 mm length (standard)
VR2000	Venturi tube, 2000 mm length

## Optical single-tube smoke detector for duct mounting

600 mm venturi tube is included.



Technical data	
Supply voltage	9...33 V DC (via ABV control unit). 24 V AC $\pm$ 15 % for RAC(M) models.
Power consumption, incl. end resistor (not RAC(M))	Normal operation: 11 mA at 24 V DC. Alarm condition: 50 mA at 24 V DC. Service alarm condition: 20 mA at 24 V DC.
Mounting	Duct
Protection class	IP54

Article	Description
SDD-OE65	Optical detector
SDD-OE50	Optical detector with service alarm
SDD-OE65-RAC	Optical detector with AC power supply and relay output only.
SDD-OE65-RACM	Optical detector with AC power supply and relay output only. With auxiliary fan.
SDD-OE65-M	Optical detector with auxiliary fan
SDD-OE50-M	Optical detector with auxiliary fan and service alarm

### Accessories

Article	Accessories
TDS	Mounting spacer for insulated pipe ducts

## Smoke detector for ceiling mounting



Technical data	
Supply voltage	15...30 V DC (via ABV control unit)
Power consumption	0.14 mA (50 mA if an alarm occurs)
Mounting	Ceiling
Protection class	IP20

Article	Description	Service alarm
S65-OE	Optical detector	-
S50-OE-GA4	Optical detector with service alarm	X
S65	Ionisation detector	-
S50	Ionisation detector with service alarm	X

## Accessories

Article	Description
S-BP	Socket for S50 and S65 detectors
S-BPR-S50	Socket for S50 detectors with built-in change-over relay (24 V AC)
S-BPR-S65	Socket for S65 detectors with built-in change-over relay (24 V AC)

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## Control unit for smoke detectors

Control units for the SDD, S50 and S65 series. Provides power supply and alarm handling for smoke detectors, with or without service alarm. Two relay contacts for alarm handling.



Technical data	
Power consumption	30 mA (70 mA if an alarm occurs), 1 VA (1.7 VA if an alarm occurs)
Mounting	DIN-rail
Number of modules	3
Protection class	IP20

Article	Description	Supply voltage	Alarm outputs	Service alarm
ABV24-300/D	Control unit	24 V AC/DC	Two change-over contacts (smoke alarms)	-
ABV24-S-300/D	Control unit with service alarm	24 V AC/DC	One change-over contact (smoke), one closing contact (smoke), one closing contact (service)	X
ABV-300/D	Control unit	230 V AC	Two change-over contacts (smoke alarms)	-
ABV-S-300/D	Control unit with service alarm	230 V AC	One change-over contact (smoke), one closing contact (smoke), one closing contact (service)	X



### Smoke spray

Gas for control of ionisation or optical smoke detectors.

Article	Description
SS-260	Smoke spray, 260 ml



IR24-P



IR24-PC

### Presence detector

Detector providing a signal when someone enters the room. The detector has a pulse-detecting function that minimizes the risk of false alarms. Settable on/off delays and change-over relay.

Technical data	
Supply voltage	24 V AC/DC, 0.1 VA
Alarm output	200 mA, 24 V DC, floating, change-over relay
Power consumption	15 mA
Temperature range	-20...+50°C
Ambient humidity	Max. 95 % RH
Protection class	IP20

Article	Mounting	Detection area
IR24-P	Wall	15 x 15 m, 110° angle
IR24-PC	Ceiling	Height x 2.5 = coverage diameter, 25° angle

## Miscellaneous

### Thermometer



Robust thermometer for duct mounting. Easy to mount. Can be adjusted to fit different duct sizes by means of a moveable fastening flange. A rubber seal prevents air leakage.

Technical data	
Diameter	65 mm
Total length	162 mm

Article	Temperature range
T40	-40...+40°C
T60	0...60°C
T100	0...100°C
T40:25	-40...+40°C

### Differential pressure manometer



Simple, compact, easy-to-use filter manometer. MINI1200 is supplied with measuring fluid, pressure outlets and an adhesive label for noting down the filter type and the initial and final pressure drop.

Technical data	
Pressure range	0...1200 Pa
Dimensions	180 x 30 mm

Article	Description
MINI1200	Manometer
MINI1200:25	Manometer, 25 units

### Differential pressure manometer



Device for high accuracy measurements. The manometer measures up to 600 Pa differential pressure with enhanced resolution between 0...200 Pa. Equipped with blow-out protection and a knob for zero-point adjustment. Max. total pressure 100 kPa.

MV600 is supplied with measuring fluid, pressure outlets, tubing, screws and an adhesive label for noting down the initial and final pressure drop.

Technical data	
Pressure range	0...600 Pa
Accuracy	±3 %
Ambient temperature	-45...+65°C
Dimensions	210 x 140 x 33 mm

Article	Description
MV600	Manometer

## Manometer accessories

Article	Description
MM-F2	Blue measuring fluid (MINI1200) 1.05 g/cm <sup>3</sup> , 500 ml
MM-F3	Red measuring fluid (MV600) 0.786 g/cm <sup>3</sup> , 30 ml
MTU:25	Pressure outlet, black plastic. For 6 mm tubing, 25 pcs
MTU:100	Pressure outlet, black plastic. For 6 mm tubing, 100 pcs
MM-P:25	Plastic tubing Ø 6 mm. Transparent, 25 m.
MM-P:100	Plastic tubing Ø 6 mm. Transparent, 100 m.
IPP8:1000	Expansion plug, grey plastic, 8 mm, 1000 pcs
IPP10:1000	Expansion plug, grey plastic, 10 mm, 1000 pcs
IPP12:250	Expansion plug, grey plastic, 12 mm, 250 pcs
T-ROR:100	Plastic T-branch joining piece, for 6 mm tubing, 100 pcs