

DETECTORS



SDD-...

Smoke detector for duct mounting, ionisation
Single-tube detector including 600 mm venturi tube.

Technical data	
Supply voltage	9...33 V DC (via ABV control unit). 24 V AC ±15 % for RAC(M) models.
Power consumption, incl. end resistor (not RAC(M))	Normal operation: 10 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	Note
SDD-S65	Ionisation detector with service alarm including 600 mm venturi tube.	
SDD-S65-RAC	Ionisation detector with AC power supply and relay output only with service alarm, including 600 mm venturi tube.	



TDS

ACCESSORIES

Article	Description	Note
TDS	Mounting spacer for insulated pipe ducts	
VR600	Venturi tube, 540 mm length (standard supply together with the detector)	
VR2000	Venturi tube, 1940 mm length	



VR600



SDD-...

Smoke detector for duct mounting, optical
Single-tube detector, including 600 mm Venturi tube.

Technical data	
Supply voltage	9...33 V DC (via ABV control unit). 24 V AC ±15 % for RAC(M) models.
Power consumption, incl. end resistor (not RAC(M))	Normal operation: 10 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	Note
SDD-OE65	Optical detector with service alarm (max 20 sensors, to be connected to CABV control unit) including 600 mm Venturi tube.	
SDD-OE65-RAC	Optical detector with AC power supply and relay output only, with service alarm, including 600 mm Venturi tube.	



TDS

ACCESSORIES

Article	Description	Note
TDS	Mounting spacer for insulated pipe ducts	
VR600	Venturi tube, 540 mm length (standard supply together with the detector)	
VR2000	Venturi tube, 1940 mm length	



VR600



S65

Smoke detector for ceiling mounting

Smoke detector for all kinds of areas. Constructed to meet the high demands of a modern fire installation. To be used with CABV control unit.

Technical data	
Supply voltage	9...33 V DC (via ABV control unit)
Current consumption	10 mA (50 mA if an alarm occurs)
Mounting	Ceiling
Protection class	IP43



S-BP

MODELS

Article	Description	Detection principle	Note
S65-OE	Optical detector with service alarm	Optical. Photoelectric, reflecting type	
S65	Ionisation detector with service alarm	Ionisation, two chamber	

ACCESSORIES

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



Control units for smoke detectors

Control unit for smoke detectors. Provides power supply and alarm handling for smoke detectors, with or without service alarm. Two relay contacts for alarm handling.

Technical data	
Current consumption	30 mA (70 mA if an alarm occurs)
Mounting	DIN-rail
Number of modules	3
Protection class	IP20

Article	Supply voltage	Alarm outputs	Service alarm	Note
ABV24-S-300/D	24 V AC/DC	One change-over contact (smoke), one closing contact (smoke), one closing contact (service)	X	
ABV-S-300/D	230 V AC	One change-over contact (smoke), one closing contact (smoke), one closing contact (service)	X	



Smoke spray

Spray for control of smoke detectors. Suitable for control of ionisation or optical smoke detectors.

Article	Description	Note
SS-260	Smoke spray, 260 ml	



IR24-P

Motion 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 AC/DC
Alarm relay	200 mA, 24 V AC/DC, potential-free, change-over relay
Current consumption	5 mA
Temperature range	-20...+50 °C
Ambient humidity	Max. 95 % RH
Protection class	IP20



IR24-PC

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



REPEAT485

Repeater

Repeater for connecting multiple units or for lengthening a cable. REPEAT485 is suitable in Regio systems since it provides galvanic isolation for RC controllers during communication.

Article	Description	Note
REPEAT485	Repeater, RS485	



CONV232-485

RS232 to RS485 converter

RS232 to RS485 converter. Can be used together with a PC to convert the serial com port into RS485 when using EXOline.

Article	Description	Note
CONV232-485	RS232 to RS485 converter	



Thermometer

Thermometer for duct mounting. 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	Note
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	Note
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	Note
MV600	Manometer	

Manometer accessories

Article	Description	Note
MM-F2	Blue measuring fluid (MINI1200) 1.05 g/cm ³ , 500 ml	
MM-F3	Red measuring fluid (MV600) 0.786 g/cm ³ , 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, black plastic, 12 mm, 250 pcs	
T-ROR:100	Plastic T-branch joining piece, for 6 mm tubing, 100 pcs	



Rotation sentinel

SPINN/D is an electronic rotation sentinel, primarily intended for supervision of rotating heat-exchanger wheels. It has a change-over alarm relay and a function for blocking the alarm output at intentional stops.

Technical data	
Supply voltage	230 V AC, 5 VA
Alarm relay	5 A, 250 V AC, change-over
Mounting	DIN-rail
Number of modules	3
Protection class	IP20

Article	Description	Note
SPINN/D	Rotation sentinel	

ACCESSORIES

Article	Description	Note
RR-G3	Sensor including magnet	
MAGNET-424	Extra magnet	



Step controller, 1- and 2-stage

Step controller suitable for heating/cooling or alarm applications. It converts a 0...10 V DC input signal to a relay output. The controller is suitable for DIN-rail or cabinet mounting and have adjustable switching points. The step controller with 2 relays can be set to either binary or sequential control. Individually settable on/off levels



Technical data	
Supply voltage	24 V AC +/- 15 % 50-60 Hz, 24 V DC (18...35 V DC)
Input signal	0...10 V DC
Output signal	0...10 V DC
Mounting	DIN-rail
Number of modules	3
Protection class	IP20

Article	Description	Output	Step differential	Note
SC1/D	Step controller with 1 relay (change-over)	One relay, change-over, 10 A, 250 V AC	-	
SC2/D	Step controller with 2 relays (closing)	Two relays, in closing, 10 A, 250 V AC	0...2 V DC	



Frost protection unit

The electronic frost protection unit is mainly intended for use in air handling systems. If the temperature falls below the setpoint, the relays will fall and an alarm LED lights up. The unit should be connected to an NTC sensor placed on the heating coil or return water pipe. The frost protection unit has two alarm relays and manual or automatic reset. The sensor must have 0...30°C temperature range.

When there is frost risk, the device has a 0...10 V DC control output that can be used to override the valve.

Technical data	
Supply voltage	24 V AC
Power consumption	2 VA
Setpoint	0...15 °C
P-band, control signal override	5 K (fixed)
Inputs	
Sensor inputs	1, 0...30°C (NTC sensor)
Control signal	0...10 V DC (from the controller)
Outputs	
Relays	24 V AC, 1 A, change-over and 230 V AC, 1 A, single contact
Output signal	0...10 V DC
Mounting	DIN-rail
Number of modules	3
Protection class	IP20

Article	Description	Note
FV1/D	Frost protection unit (delivered without a sensor)	



Signal converter

Signal converter which selects the highest and lowest signal of up to six connected inputs and transforms them into two separate max. and min. output signals. If fewer than six inputs are used, unused inputs are left open. Both outputs can be used simultaneously. No settings are necessary.

Technical data	
Supply voltage	24 V AC, 3 VA
Input signal	Six, 0...10 V DC
Output signal	One max. signal 0...10 V DC and one min. signal 0...10 V DC
Accuracy	±3 % of the input signal
Mounting	DIN-rail
Number of modules	3
Protection class	IP20

Article	Description	Note
MM6-24/D	Signal converter	