

SENSORS and ACTUATORS

**For
CS121,
SENSORMANAGER II,
SITEMANAGER II
and SITEMONITOR II**

All of the **sensors** provided by AMG have been specially adapted for use with either the CS121, SENSORMANAGER II, SITEMANAGER II or SITEMONITOR II. A pre-converted cable is included with each sensor so that they can easily be installed. Except for the SM_T_COM and the SM_T_H_COM sensor, all sensors have an RJ12 plug. Thereby, connections can be made to the processor unit using already available RJ45 sockets and patch fields.

Each casing can be attached to a fixture like a wall through two holes that are at the base of the housing.

The **sensors** can be directly connected to the in-/outputs of the SENSORMANAGER II, the SITEMANAGER II, the SITEMONITOR II or the Interface of the CS121 or BACS WEBMANAGER series. The **actuators** can be directly connected to the outputs of the products mentioned above. The acoustic alarm actuators have an LED and a button for temporarily deactivating the sounding alarm.

Sensors for CS121 – Technical Data

Temperature Sensor

SM_T_COM

Operational range:
Measurement Range:
Output Signal:
Power Supply Voltage:
Special Features:
Connection Cable:
Dimensions:

CS121L, CS121SC, CS121_MINI, CS121R_II
-25°C - +100°C, +/- 0,5%
Serial Protocol (2400 Baud)
8 - 12V DC
Supply via CS121 COM2 port
DB9 - Mini-DIN, 1.8m, (Included)
70 x 70 x 27 mm (W x L x H)



Combisensor for Temperature and Humidity

SM_T_H_COM

Operational range:
Measurement Range / Temperature:
Measurement Range / Humidity:
Output Signal:
Power Supply Voltage:
Special Features:
Connection Cable:
Dimensions:

CS121L, CS121SC, CS121_MINI, CS121R_II
-25°C - +100°C, +/- 0,5%
0 - 100% rel. H, +/- 2%
Serial Protocol (2400 Baud)
8 - 12V DC
Supply via CS121 COM2 port
DB9 - Mini-DIN, 1.8m, (Included)
70 x 70 x 27 mm (W x L x H)



Alarm Buzzer Actuator

CS121_BUZ

Operational range:
Power Supply Voltage:
Current Consumption:
Sound Level:
Connection Cable:
Dimensions:






CS121L, CS121SC
3 - 4V DC
ca. 15mA
ca. 70 dB
RJ12/6_5, 5m, (Included in delivery)
70 x 70 x 27 mm (W x L x H)














Sensors for SENSORMANAGER II – Technical Data

Temperature Sensor Analog SM_T	Measurement Range: 0°C - +100°C, +/- 1% Power Supply Voltage: 15 - 24V DC Output Signal: 0 - 10V DC Additional Inputs: 1x Digital Special Features: Connection for other sensors Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 70 x 70 x 27 mm (W x L x H)	
Combination sensor Temperature and Humidity Analog SM_T_H	Measurement Range / Temperature: 0°C - +100°C, +/- 1% Measurement Range / Humidity: 0 - 100% rel. H, +/- 5% Power Supply Voltage: 15 - 24V DC Output Signal: 2x 0 - 10V DC Additional Inputs: 1x Digital Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 70 x 70 x 27 mm (W x L x H)	
True RMS Converter AC Voltage SM_VMC	Measurement Range: 160 - 260V (AC, True RMS) Power Supply Voltage: 15 - 24V DC Output Signal: 0 - 10V DC Special Features: Measurement via accompanying power supply Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 70 x 70 x 27 mm (W x L x H)	
Water and Humidity Indicator SM_HYG2	Measurement Range: wet or dry Power Supply: 9 –15VDC Current Consumption: ca. 20 mA Contact Load: 125 VAC, 60 VDC,1A Type of Contact: NC o. NO (configurable) Special Features: 1 Sensor (Included in delivery) with cable 2m Included alarm buzzer and alarm LED Up to 10 sensors (SM_HYG2) may be connected Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 70 x 70 x 27 mm (W x L x H)	
Sensor for SM_Hydro SM_HYG_S5	Dimension: Sensor with 5m cable	
Sensor for SM_Hydro SM_HYG_S10	Dimension: Sensor with 10m cable	
Power supply for SM_HYG2 PS_HYG	Features: For standalone use available as EURO (230V/50Hz) and US (110V/60Hz) version	
Glas Break Sensor Digital SM_GLAS	Measurement Range: Radius ca. 2m Type of Contact: NC Frequency Domain: 120 kHz Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 27 x 27 x 14 mm (W x L x H)	
Motion Detector SM_MD	Measurement Range: 14m x 14m, 90° Power Supply Voltage: 9 – 16 V DC Output Signal: Same as power supply Current Consumption: ca. 17 mA Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 115 x 60 x 45 mm (W x L x H)	
Smoke Detector SM_SD	Power Supply Voltage: 10 – 15V DC Output Signal: Same as power supply Current Consumption: ca. 50mA Detection: Photoelectric chamber Connection Cable: RJ12/6_5, 5m, (Included in delivery) Dimensions: 84 x 77 mm (D x H)	
Wall and Ceiling Bracket SM_MOTMNT	Mounting option for Motion Detector SM_MD and Smoke Detector SM_SD	

Sensors for SENSORMANAGER II-Technical Data

Relay Box Digital Actuator SM_IO	Power Supply Voltage: Current Consumption: Switch contact: Cables : Dimensions:	12-15V DC ca. 20mA 125V AC, 1A (NO, NC contact) RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
Alarm Buzzer Actuator SM_BUZ	Power Supply Voltage: Current Consumption: Sound Level: Connection Cable: Dimensions:	12 - 15V DC ca. 30mA ca. 85 dB RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
Flash Light Actuator SM_FLASH	Power Supply Voltage: Current Consumption: Connection Cable: Dimensions:	12-15V DC ca. 170mA RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 67 mm (W x L x H)	
Door Contact SM_DC	Type of Contact: Connection Cable:	Magnetic Alarm Contact RJ12/6_5, 5m, (Included in delivery)	
AC Current Sensor SM_CS25A	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Mounting: Dimensions:	0 – 25A (AC, True RMS) 12 - 15V DC 0 - 10V DC connection for other sensors RJ12/6_5, 5m (Included in delivery) DinRail or lateral mounting clips 70 x 80 x 80 mm (W x L x H), Hall sensor diameter hole : 9,25mm	
AC Current Sensor SM_CS50A	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Mounting: Dimensions:	0 – 50A (AC, True RMS) 12 - 15V DC 0 - 10V DC connection for other sensors RJ12/6_5, 5m (Included in delivery) DinRail or lateral mounting clips 70 x 80 x 80 mm (W x L x H), Hall sensor diameter hole : 9,25mm	
AC Current Sensor SM_CS75A	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Mounting: Dimensions:	0 – 75A (AC, True RMS) 12 - 15V DC 0 - 10V DC connection for other sensors RJ12/6_5, 5m (Included in delivery) DinRail or lateral mounting clips 70 x 80 x 80 mm (W x L x H), Hall sensor diameter hole : 9,25mm	
AC Current Sensor SM_CS100A	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Mounting: Dimensions:	0 – 100A (AC, True RMS) 12 - 15V DC 0 - 10V DC connection for other sensors RJ12/6_5, 5m (Included in delivery) DinRail or lateral mounting clips 70 x 80 x 80 mm (W x L x H), Hall sensor diameter hole : 9,25mm	
AC Current Sensor SM_CS130A	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Mounting: Dimensions:	0 – 130A (AC, True RMS) 12 - 15V DC 0 - 10V DC connection for other sensors RJ12/6_5, 5m (Included in delivery) DinRail or lateral mounting clips 70 x 80 x 80 mm (W x L x H), Hall sensor diameter hole : 9,25mm	

Sensors for SITEMANAGER II – Technical Data

Temperature Sensor Analog SM_II_T	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Dimensions:	0°C - +100°C, +/- 1% 15 - 24V DC 0 - 10V DC Connection for other sensors RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
Combisensor for Temperature and Humidity Analog SM_II_T_H	Measurement Range / Temperature: Measurement Range / Humidity: Power Supply Voltage: Output Signal: Connection Cable: Dimensions:	0°C - +100°C, +/- 1% 0 - 100% rel. H, +/- 5% 15 - 24V DC 2x 0 - 10V DC RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
Temperature Sensor Digital SM_II_T_DIG	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Dimensions:	-25°C - +125°C 15 - 24V DC One wire Connection for other sensors RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
True RMS Converter AC Voltage Sensor SM_II_VMC	Measurement Range: Power Supply Voltage: Output Signal: Special Features: Connection Cable: Dimensions:	160 - 260V (AC, True RMS) 15 - 24V DC 0 - 10V DC Measurement via accompanying power supply RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
Water and High Humidity Indicator SM_II_HYG2	Measurement Range: Power Supply: Current Consumption: Contact Load: Type of Contact: Special Features: Connection Cable: Dimensions:	wet or dry 9 - 15VDC ca. 20 mA 125 VAC, 60 VDC, 1A NC o. NO (configurable) 1 Sensor (Included in delivery) with cable 2m included alarm buzzer and alarm LED Up to 10 sensors (SM_II_HYG2) may be connected RJ12/6_5, 5m, (Included in delivery) 70 x 70 x 27 mm (W x L x H)	
Sensor for SM_II_HYG2 SM_HYG_S5	Dimension:	Sensor with 5m cable	
Sensor for SM_II_HYG2 SM_HYG_S10	Dimension:	Sensor with 10m cable	
Power supply for SM_II_HYG2 PS_HYG	Features:	for standalone use available as EURO (230V/50Hz) and US (110V/60Hz) version	
Glas Break Sensor Digital SM_II_GLAS	Measurement Range: Type of Contact: Frequency Domain: Connection Cable: Dimensions:	Radius ca. 2m NC 120 kHz RJ12/6_5, 5m, (Included in delivery) 27 x 27 x 14 mm (W x L x H)	
Door Contact SM_II_DC	Type of Contact: Connection Cable:	Magnetic Alarm Contact RJ12/6_5, 5m, (Included in delivery)	
Motion Detector SM_II_MD	Measurement Range: Power Supply Voltage: Output Signal: Current Consumption: Connection Cable: Dimensions:	14m x 14m, 90° 9 - 16 V DC Same as power supply ca. 17 mA RJ12/6_5, 5m, (Included in delivery) 115 x 60 x 45 mm (W x L x H)	

Sensors for SITEMANAGER II – Technical Data

Smoke Detector

SM_II_SD

Power Supply Voltage: 10 – 15V DC
 Output Signal: Same as power supply
 Current Consumption: ca. 50mA
 Detection: Photoelectric chamber
 Connection Cable: RJ12/6_5, 5m, (Included in delivery)
 Dimensions: 84 x 77 mm (D x H)



Wall and Ceiling Bracket

SM_II_MOTMNT

Mounting option for Motion Detector SM_MD and Smoke Detector SM_SD



Alarm Buzzer Actuator

SM_II_BUZ

Power Supply Voltage: 12 - 15V DC
 Current Consumption: ca. 30mA
 Sound Level: ca. 85 dB
 Connection Cable: RJ12/6_5, 5m, (Included in delivery)
 Dimensions: 70 x 70 x 27 mm (W x L x H)



Flash Light Actuator

SM_II_FLASH

Power Supply Voltage: 12-15V DC
 Current Consumption: ca. 170mA
 Connection Cable: RJ12/6_5, 5m, (Included in delivery)
 Dimensions: 70 x 70 x 67 mm (W x L x H)



AC Current Sensor

SM_II_CS25A

Measurement Range: 0 – 25A (AC, True RMS)
 Power Supply Voltage: 12 - 15V DC
 Output Signal: 0 - 10V DC
 Special Features: connection for other sensors
 Connection Cable: RJ12/6_5, 5m (Included in delivery)
 Mounting: DinRail or lateral mounting clips
 Dimensions: 70 x 80 x 80 mm (W x L x H),
 Hall sensor diameter hole : 9,25mm



AC Current Sensor

SM_II_CS50A

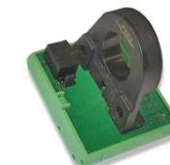
Measurement Range: 0 – 50A (AC, True RMS)
 Power Supply Voltage: 12 - 15V DC
 Output Signal: 0 - 10V DC
 Special Features: connection for other sensors
 Connection Cable: RJ12/6_5, 5m (Included in delivery)
 Mounting: DinRail or lateral mounting clips
 Dimensions: 70 x 80 x 80 mm (W x L x H),
 Hall sensor diameter hole : 9,25mm



AC Current Sensor

SM_II_CS75A

Measurement Range: 0 – 75A (AC, True RMS)
 Power Supply Voltage: 12 - 15V DC
 Output Signal: 0 - 10V DC
 Special Features: connection for other sensors
 Connection Cable: RJ12/6_5, 5m (Included in delivery)
 Mounting: DinRail or lateral mounting clips
 Dimensions: 70 x 80 x 80 mm (W x L x H),
 Hall sensor diameter hole : 9,25mm



AC Current Sensor

SM_II_CS100A

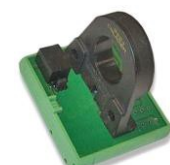
Measurement Range: 0 – 100A (AC, True RMS)
 Power Supply Voltage: 12 - 15V DC
 Output Signal: 0 - 10V DC
 Special Features: connection for other sensors
 Connection Cable: RJ12/6_5, 5m (Included in delivery)
 Mounting: DinRail or lateral mounting clips
 Dimensions: 70 x 80 x 80 mm (W x L x H),
 Hall sensor diameter hole : 9,25mm



AC Current Sensor

SM_II_CS130A

Measurement Range: 0 – 130A (AC, True RMS)
 Power Supply Voltage: 12 - 15V DC
 Output Signal: 0 - 10V DC
 Special Features: connection for other sensors
 Connection Cable: RJ12/6_5, 5m (Included in delivery)
 Mounting: DinRail or lateral mounting clips
 Dimensions: 70 x 80 x 80 mm (W x L x H),
 Hall sensor diameter hole : 9,25mm



Sensors for SITEMONITOR II – Technical Data

Water and Humidity Indicator

SM64IIHYG2

Measurement Range:
Power Supply:
Current Consumption:
Contact Load:
Type of Contact:
Special Features:

wet or dry
9 – 15VDC
ca. 20 mA
125 VAC, 60 VDC, 1A
NC o. NO (configurable)
1 Sensor (Included in delivery)
with cable 2m
included alarm buzzer and alarm LED
Up to 10 sensors (SM64IIHYG2) may be connected
RJ12/6_5, 5m, (Included in delivery)
70 x 70 x 27 mm (W x L x H)



Sensor for SM 64IIHYG2

SM_HYG_S5

Connection Cable:
Dimensions:

Sensor with 5m



Sensor for SM64IIHYG2

SM_HYG_S10

Dimension:

Sensor with 10m cable

Power supply for SM64IIHYG2

PS_HYG

cable

Dimension:

For standalone use
available as EURO (230V/50Hz) and
US (110V/60Hz) version



Glass Break Sensor

SM64_II_GLAS

Features:

Measurement Range:
Type of Contact:
Frequency Domain:
Connection Cable:
Dimensions:

Radius ca. 2m
NC
120 kHz
RJ12/6_5, 5m, (Included in delivery)
27 x 27 x 14 mm (W x L x H)



Motion Detector

SM64_II_MD

Measurement Range:
Power Supply Voltage:
Output Signal:
Current Consumption:
Connection Cable:
Dimensions:

14m x 14m, 90°
9 – 16 V DC
Same as power supply
ca. 17 mA
RJ12/6_5, 5m, (Included in delivery)
115 x 60 x 45 mm (W x L x H)



Smoke Detector

SM64_II_SD

Power Supply Voltage:
Output Signal:
Current Consumption:
Detection:
Connection Cable:
Dimensions:

10 – 15V DC
Same as power supply
ca. 50mA
Photoelectric chamber
RJ12/6_5, 5m, (Included in delivery)
84 x 77 mm (D x H)



Wall and Ceiling Bracket

SM64_MOTMNT

Mounting option for
Motion Detector SM_MD and
Smoke Detector SM_SD



Door Contact

SM64_DC

Type of Contact:
Connection Cable:

Magnetic Alarm Contact
RJ12/6_5, 5m, (Included in delivery)

