



SENSORS and ACTUATORS

for CS121,
SENSORMANAGER II,
SITEMANAGER II
and SITEMONITOR II

All of the **sensors** provided by Generex 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	Measurement Range: Output Signal: Power Supply Voltage: Special Features: Connection Cable: Dimensions:	-25°C - +100°C, +/- 0,5% Serial Protocol (2400 Baud) 8 - 15V DC Supply via CS121 COM2 port DB9 - Mini-DIN, 1.8m, (Included) max. 30m 70 x 70 x 27 mm (W x L x H)
Combisensor for Temperature and Humidity SM_T_H_COM	Measurement Range / Temperature: Measurement Range / Humidity: Output Signal: Power Supply Voltage: Special Features: Connection Cable: Dimensions:	-25°C - +100°C, +/- 0,5% 0 - 100% rel. H, +/- 2% Serial Protocol (2400 Baud) 8 - 15V DC Supply via CS121 COM2 port DB9 - Mini-DIN, 1.8m, (Included) max. 30m 70 x 70 x 27 mm (W x L x H)
Alarm Buzzer Actuator CS121_BUZ	Power Supply Voltage: Current Consumption: Sound Level: Connection Cable: Dimensions:	3 - 4V DC ca. 15mA ca. 70 dB RJ12/6_5, 5m, (Included in delivery) max. 5m 70 x 70 x 27 mm (W x L x H)



Sensors for SENSORMANAGER II – Technical Data

Temperature Sensor Analog SM_T	Measurement Range: Power Supply Voltage: Output Signal: Additional Inputs: Special Features: Connection Cable: Dimensions:	0°C - +100°C, +/- 1% 15 - 24V DC 0 - 10V DC 1x Digital Connection for other sensors RJ12/6_5, 5m, (Included) max. 50m 70 x 70 x 27 mm (W x L x H)
Combisensor for Temperature and Humidity Analog SM_T_H	Measurement Range / Temperature: Measurement Range / Humidity: Power Supply Voltage: Output Signal: Additional Inputs: Connection Cable: Dimensions:	0°C - +100°C, +/- 1% 0 - 100% rel. H, +/- 5% 15 - 24V DC 2x 0 - 10V DC 1x Digital RJ12/6_5, 5m, (Included) max. 50m 70 x 70 x 27 mm (W x L x H)



Sensors for SENSORMANAGER II – Technical Data

True RMS Converter AC Voltage

SM_VMC

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

160 - 250V (AC, True RMS)
12 - 24V DC
0 - 10V DC
Measurement via accompanying power supply
RJ12/6_5, 5m, (Included) max. 50m
70 x 70 x 27 mm (W x L x H)



Water and High Humidity Indicator

SM_HYGRO

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

94% rel. Humidity
230V / AC +/- 10% / 3VA
ca. 15 mA
250 V/AC/6A
NC
1 Sensor (Included in delivery)
included Alarmbuzzer
Up to 3 sensors may be connected
RJ12/6_5, 5m, (Included) max. 50m
112 x 94 x 52 mm (W x L x H)



Sensor for SM_Hygro

SM_HYG_S

Connection Cable:
Dimensions:

Sensor with 2m cable



Glas Break Sensor Digital

SM_GLAS

Dimension:

Radius ca. 2m
NC
120 kHz
RJ12/6_5, 5m, (Included) max. 50m
27 x 27 x 14 mm (W x L x H)



Motion Detector

SM_MD

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

14m x 14m, 90°
9 – 16 V DC
Same as power supply
ca. 17 mA
RJ12/6_5, 5m, (Included) max. 50m
115 x 60 x 45 mm (W x L x H)



Smoke Detector

SM_SD

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

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



Relay Box Digital Actuator

SM_IO

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

12-15V DC
ca. 20mA
125V AC, 1A (NO, NC contact)
RJ12/6_5, 5m, (Included) max. 50m
70 x 70 x 27 mm (W x L x H)



Alarm Buzzer Actuator

SM_BUZ

Power Supply Voltage:
Current Consumption:
Switch contact:
Cables :
Dimensions:

12 - 15V DC
ca. 30mA
ca. 85 dB
RJ12/6_5, 5m, (Included) max. 50m
70 x 70 x 27 mm (W x L x H)



Flash Light Actuator

SM_FLASH

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

12-15V DC
ca. 170mA
RJ12/6_5, 5m, (Included) max. 50m
70 x 40 mm (L x H)



Door Contact

SM_DC

Power Supply Voltage:
Current Consumption:
Connection Cable:
Dimensions:

Magnetic Alarm Contact
RJ12/6_5, 5m, (Included) max. 50m



Sensors for SENSORMANAGER II–Technical Data

AC Current Sensor

SM_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) max. 50m
 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_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) max. 50m
 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_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) max. 50m
 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_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) max. 50m
 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_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) max. 50m
 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 SITEMANAGER II – Technical Data

Temperature Sensor	Measurement Range:	0°C - +100°C, +/- 1%
Analog	Power Supply Voltage:	15 - 24V DC
SM_II_T	Output Signal:	0 - 10V DC
	Special Features:	Connection for other sensors
	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m
	Dimensions:	70 x 70 x 27 mm (W x L x H)



Combisensor for Temperature and Humidity	Measurement Range / Temperature:	0°C - +100°C, +/- 1%
Analog	Measurement Range / Humidity:	0 - 100% rel. H, +/- 5%
SM_II_T_H	Power Supply Voltage:	15 - 24V DC
	Output Signal:	2x 0 - 10V DC
	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m
	Dimensions:	70 x 70 x 27 mm (W x L x H)



Temperature Sensor	Measurement Range:	-25°C - +100°C
Digital	Power Supply Voltage:	15 - 24V DC
SM_II_T_DIG	Output Signal:	One wire
	Special Features:	Connection for other sensors
	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m
	Dimensions:	70 x 70 x 27 mm (W x L x H)



True RMS Converter AC Voltage Sensor	Measurement Range:	160 - 260V (AC, True RMS)
SM_II_VMC	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) max. 50m
	Dimensions:	70 x 70 x 27 mm (W x L x H)



True RMS Converter AC Current Sensor	Measurement Range:	Depends on which current sensor is in use (True RMS)
SM_II_CMC	Power Supply Voltage:	15 - 24V DC
	Output Signal:	0 - 10V DC
	Special Features:	Customer specific changes possible
	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m
	Dimensions:	70 x 70 x 27 mm (W x L x H)



Water and High Humidity Sensor	Measurement Range:	94% rel. Humidity
SM_II_HYGRO	Power Supply:	230V / AC +/- 10% / 3VA
	Current Consumption:	ca. 15 mA
	Contact Load:	250 V/AC/6A
	Type of Contact:	NC
	Special Features:	1 Sensor (Included in delivery) included Alarm buzzer Up to 3 sensors may be connected
	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m
	Dimensions:	112 x 94 x 52 mm (W x L x H)



Sensor for SM_II_Hygro	Dimension:	Sensor with 2m cable
SM_II_HYG_S		



Glas Break Sensor	Measurement Range:	Radius ca. 2m
Digital	Type of Contact:	NC
SM_II_GLAS	Frequency Domain:	120 kHz
	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m
	Dimensions:	27 x 27 x 14 mm (W x L x H)



Motion Detector	Measurement Range:	14m x 14m, 90°
SM_II_MD	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) max. 50m
	Dimensions:	115 x 60 x 45 mm (W x L x H)



Door Contact	Type of Contact:	Magnetic Alarm Contact
SM_II_DC	Connection Cable:	RJ12/6_5, 5m, (Included) max. 50m



Sensors for SITEMANAGER II – Technical Data

Smoke Detector

SM_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) max. 50m
84 x 77 mm (D x H)



Alarm Buzzer Actuator

SM_II_BUZ

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

12 - 15V DC
ca. 30mA
ca. 85 dB
RJ12/6_5, 5m, (Included) max. 50m
70 x 70 x 27 mm (W x L x H)



Flash Light Actuator

SM_II_FLASH

Power Supply Voltage:
Current Consumption:
Connection Cable:
Dimensions:

12-15V DC
ca. 170mA
RJ12/6_5, 5m, (Included) max. 50m
70 x 40 mm (L x H)

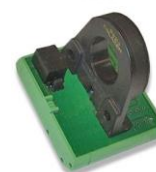


AC Current Sensor

SM_II_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) max. 50m
DinRail or lateral mounting clips
70 x 80 x 80 mm (W x L x H),
Hall sensor diameter hole : 9,25mm

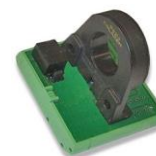


AC Current Sensor

SM_II_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) max. 50m
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_II_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) max. 50m
DinRail or lateral mounting clips
70 x 80 x 80 mm (W x L x H),
Hall sensor diameter hole : 9,25mm

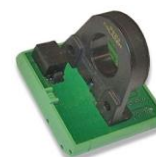


AC Current Sensor

SM_II_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) max. 50m
DinRail or lateral mounting clips
70 x 80 x 80 mm (W x L x H),
Hall sensor diameter hole : 9,25mm

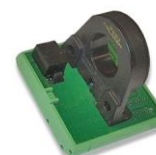


AC Current Sensor

SM_II_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) max. 50m
DinRail or lateral mounting clips
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 High Humidity Sensor

SM_64_II_HYGRO

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

94% rel. Humidity
230V / AC +/- 10% / 3VA
ca. 15 mA
250 V/AC/6A
NC
1 Sensor (Included in delivery)
included Alarmbuzzer
Up to 3 sensors may be connected
RJ12/6_5, 5m, (Included) max. 50m
112 x 94 x 52 mm (W x L x H)



Sensor for SM_64_II_Hygro

SM_64_II_HYG_S

Dimension:

Sensor with 2m cable



Glas Break Sensor Digital

SM64_II_GLAS

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

Radius ca. 2m
NC
120 kHz
RJ12/6_5, 5m, (Included) max. 50m
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) max. 50m
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) max. 50m
84 x 77 mm (D x H)



Door Contact

SM_64_II_DC

Type of Contact:
Connection Cable:

Magnetic Alarm Contact
RJ12/6_5, 5m, (Included) max. 50m

