

LCN | Sensors

LCN-TS

Precision temperature sensor (0,1°C) for the I-Port

The LCN-TS is an very small and high precision digital temperature sensor. It has its own processor and is almost completely silent in operation. The measured data is sent through the I-Port connection to an intelligent bus module.

Application

The temperature sensor is used for measuring the room temperature. By connecting to further sensors within the LCN bus, an energy saving and user friendly single-room heating regulation system can be implemented which, among other things, includes control of the ventilation system.

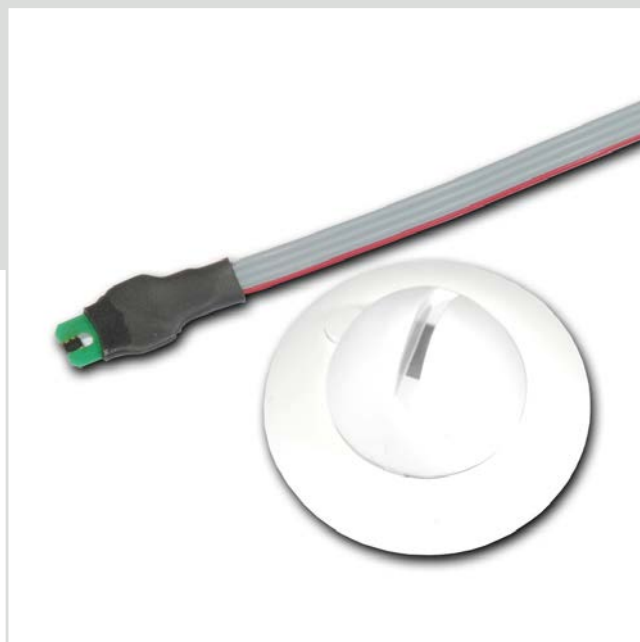
The LCN-TS can be operated parallel with any other group on the I-Port connection of the LCN intelligent bus modules, like LCN-UPP, LCN-UPS, LCN-UPU, LCN-SH, LCN-HU or LCN-LD. The modules allow for two continuous control circuits plus four switch thresholds which can also be automatically controlled. During operation, measured values can be exchanged among LCN modules and differences can be calculated.

Hardware

- Temperature sensor with adhesive pad
- Housing for wall and ceiling assembly
- Cable with plug for the I-Port connection

Note:

When positioning the sensor, care is to be taken with regards to heat sources from lighting and airflow as these can effect the measured value. For more detailed information please refer to the installation guide.



LCN-TS

Precision temperature sensor (0,1°C) for the I-Port

- Temperature sensor for indoors
- For operating on the I-Port

Technical Data

Sensor data:

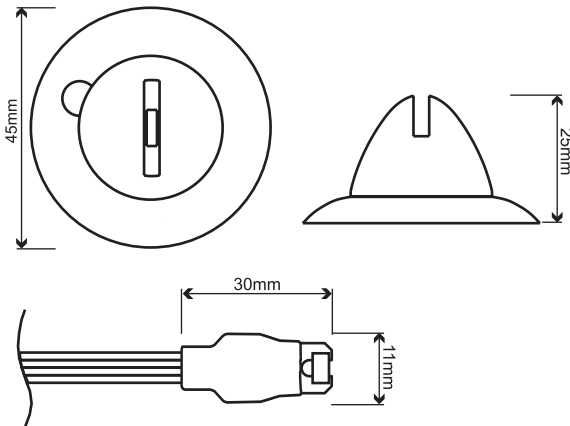
Measuring range:	-20 to 85 °C
Resolution:	0.1 °C
Accuracy:	15 to 30 °C: typical 0.3 °C -20 to 85 °C: typical 0.6 °C

General details:

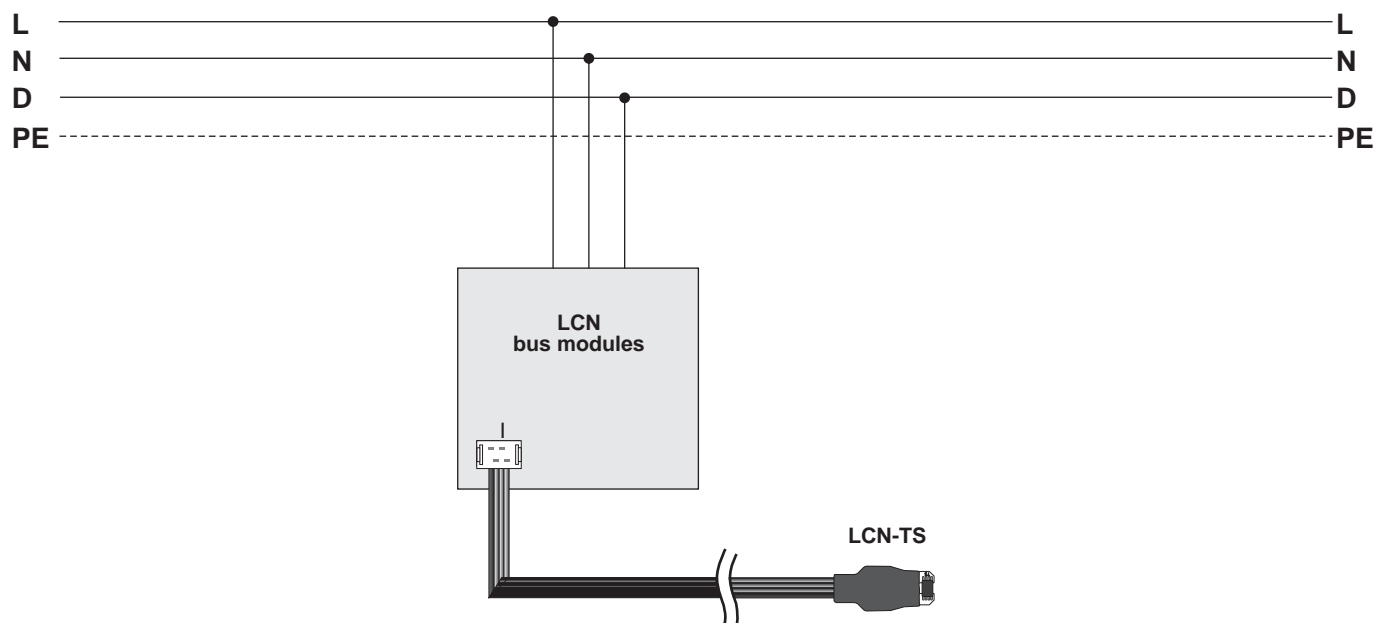
Operating temperature:	-20 to 85 °C
Humidity:	max. 80% rel., non condensing
Environmental conditions:	stationary installation according to VDE 632, VDE637
Degree of protection:	IP 20

Dimensions

Case (Ø x H):	45 x 25 mm
Sensor (L x W x D):	30 x 11 x 4 mm
Supply Cable:	400 mm
Assembly:	ceiling or wall assembly on 35 mm wall light box



Circuit diagram



LCN-TSA

Precision temperature sensor (0.1 °C) for outdoor application

The LCN-TSA is an especially small, high precision, digital temperature sensor for outdoor application. With its own processor it records almost noiseless measurements and sends them via the I-Port connector to the connected LCN module.

Application

The temperature sensor is used for determining outdoor temperature. By connecting further sensors to the LCN bus, an energy saving and user friendly single room heating regulation system can be implemented which, among other things, includes control of the ventilation system. It also calculates differences between indoor and outdoor temperatures, differences, e. g. for passive nocturnal cooling and conservatory control.

The LCN-TSA can operate in parallel with all other modules connected to the I-port connector on all intelligent LCN modules like LCN-UPP, LCN-UPS, LCN-UPU, LCN-SH or LCN-HU. The module enables the option of having two continuous action control circuits plus four thresholds which can also be used for regulating purposes. Measured values can be exchanged between operational LCN modules and their differences calculated.

Hardware

LCN-TSA:

- Temperature sensor in protective mould
- Wall or ceiling mounting with PVC clip
- 2 meters connecting cable with plug to I-Port connector

LCN-IV:

- Cable with plug for the I-Port connection
- Two spare I-Port sockets for connection of further peripherals
- Screw terminals for cable up to 0.8 mm Ø

Note:

The assembly position and location may influence the recorded values: air-streams, mounting height and heat sources like heat radiating from lighting are all to be considered. If the supply cable is to be extended outdoors, then a terminal connector in IP65 protective casing is to be used. The supply cable can be extended up to 50 m.

For more detailed information please refer to the installation guide.



LCN-TSA

Precision temperature sensor (0.1 °C) for outdoor application

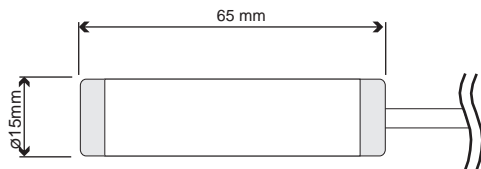
- Temperature sensor for outdoors
- For operating on the I-Port

Dimensions

LCN-TSA (L x Ø):	65 x 15 mm
LCN-IV (L x W x D):	22 x 12 x 13 mm
Supply Cable:	2 m

Assembly:

LCN-TSA:	Roof or wall mount using cable clip
LCN-IV:	Decentral Installation



Technical Data

Sensor data:

Mesured range:	-20 to 85 °C
Resolution:	0.1 °C
Accuracy:	15 to 30 °C: typical 0.3 °C -20°C to 85 °C: typical 0.6 °C
Supply cable:	2 m, LiYCY, strand wire

General details:

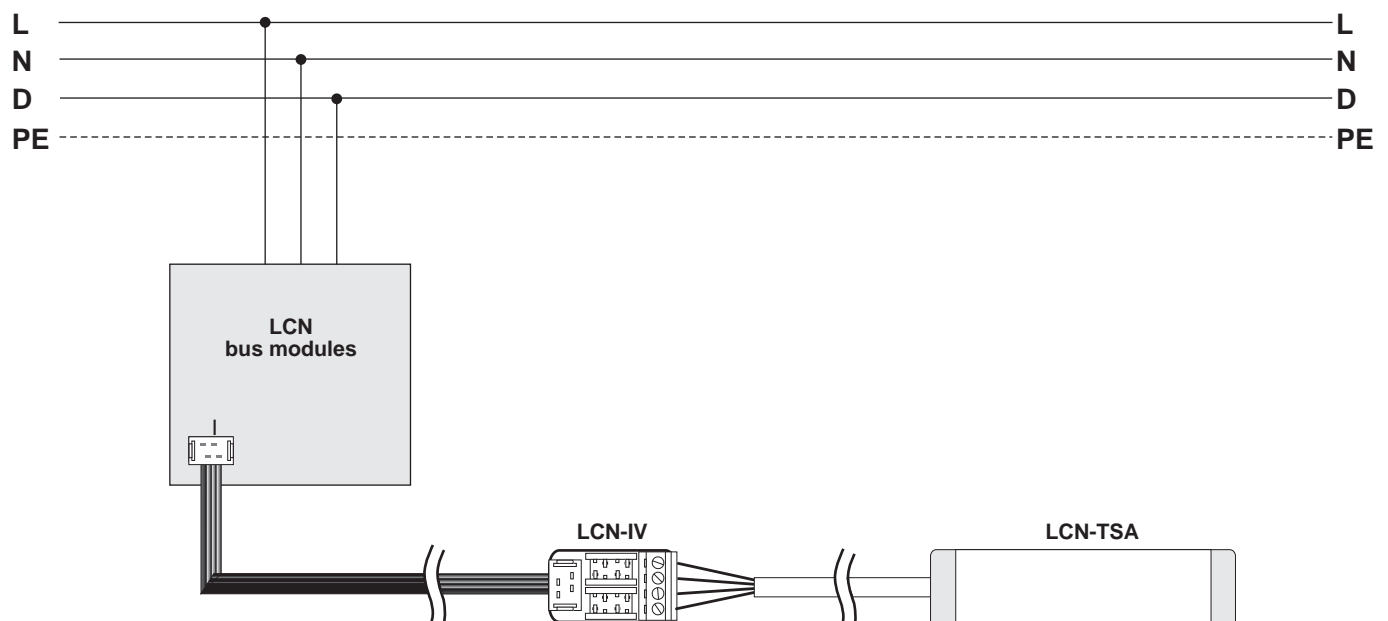
Operating temperature:	-20 to 85 °C
Humidity:	max. 80% rel., non condensing
Environmental conditions:	stationary installation according to VDE 632, VDE637

Degree of protection:

Sensor LCN-TSA:	IP 65
LCN-IV:	IP 20

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Circuit diagram



LCN-PMI

Passive infrared presence/motion detector

The LCN-PMI is an indoor presence/motion detector for connection to intelligent LCN modules. The sensor works according to the PIR principle (passive infrared). It detects the change in thermal radiation of a human body.

Application

The presence/motion detector LCN-PMI detects the movement of people by their heat radiation. It is used to switch on lighting in corridors, offices or WCs. Furthermore, it can take over alarm functions in building monitoring.

The presence/movement detector triggers the long command once as soon as it detects movement. If the object is only briefly in the detection range for up to two seconds, the release command is executed after four seconds. If the object is registered for longer, the release command is executed eight seconds after the last movement. The LCN-PMI automatically sends status messages even without parameterisation.

The LCN-PMI has a red LED for checking the detection range. The LED can be switched off by parameterisation. The sensitivity of the detection can be adjusted via LCN-PRO.

Hardware

- Jumpers for parallel operation of up to four LCN-PMI's
- Housing for wall or ceiling mounting
- Cable with plug for I connection of LCN modules from firmware 1702...(Feb.2013)

Note:

The installation location has a decisive influence on the sensitivity: Install the sensor in such a way that warm body parts such as the face are detected. The main direction of movement should be transverse to the sensor. For this reason, it is usually better to mount the sensor on the side rather than in the middle of the ceiling.

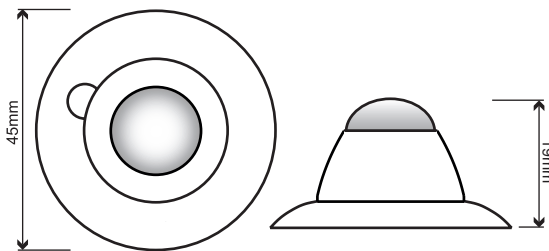


LCN-PMI

Passive infrared presence/motion detector

Dimensions:

LCN-PMI (Ø x H):	45 x 19 mm
Supply Cable:	300 mm
Installation:	ceiling or wall installation on 35 mm wall light box



Technical Data

Connection:

Supply voltage:	not required (via I-connector)
Power consumption:	<0.1W
LCN connection:	I-connection line length 300mm

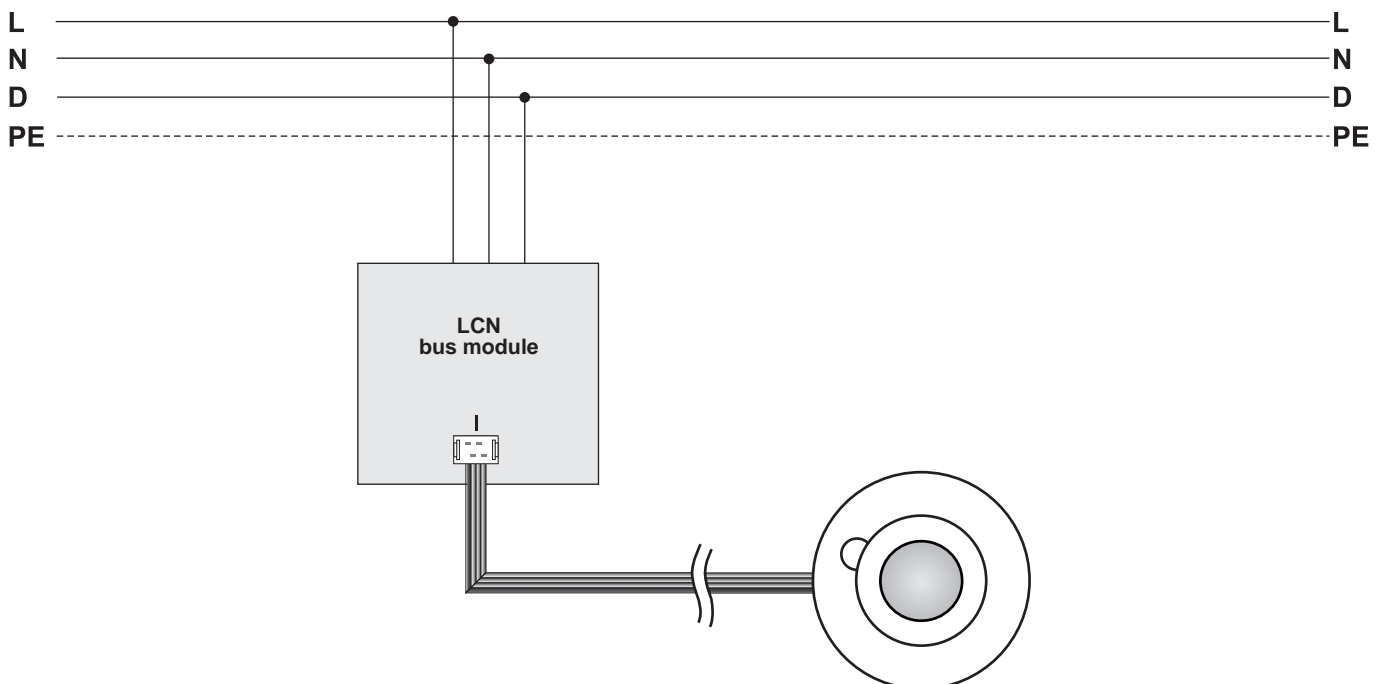
Presence detector

Sensor:	PIR passive infrared sensor
Range/opening angle:	max. 12m (club-shaped)/100° * 360
Switch-off delay:	5-8 seconds
Object speed:	min. 0.5m/s, depending on Temperature difference and size

General details:

Operating temperature:	-10 to 40 °C
Humidity:	max. 80% rel., non condensing
Environmental conditions:	stationary installment according to VDE 632, VDE 637
Degree of protection:	IP 20

Circuit diagram



LCN-GRT

Temperature sensor and IR receiver in glass design

The LCN-GRT is a temperature sensor and IR receiver for surface mounting in LCN-GT series design. In combination with the integrated logic, the digital temperature sensor supplies almost noiseless measured values, which it transmits to the connected LCN module via the I-Port.

Application

The LCN-GRT is used for the measurement of room temperatures and the integration of the LCN-RT remote control and LCN-EFS humidity sensor. It can be linked to additional sensors on the LCN bus in order to implement an energy-efficient and user-friendly control system for individual rooms, heating, air conditioning and ventilation. The integrated LCN-RR IR receiver allows the LCN-GRT to process the signals of LCN remote controls. It can receive and forward up to 48 commands, 16 million access codes and 3,333 key codes.

The LCN-GRT can be combined with any I-Port peripheral equipment at the I-Port of all intelligent LCN modules like LCN-UPP, LCN-UPS, LCN-UPU, LCN-SH, LCN-SHS, LCN-HU or LCN-LD. The LCN-GRT can take effect on the R1 and R2 controllers as well as the signal thresholds 1-4. Measured values can be exchanged between LCN modules and used for arithmetic operations.

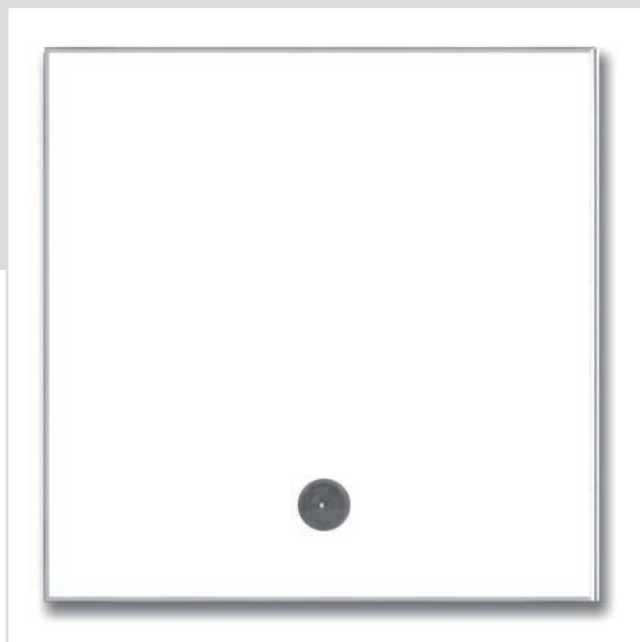
Hardware

- Temperature sensor
- Infrared receiver
- Installation space for LCN-EFS
- Housing for wall and ceiling mounting
- Cable with plug for I-Port
- Screw terminal for connection via low voltage cable (shielded)

Note:

The installation location and position have an influence on the measured values and the reception range: the air currents, installation height and heat sources like lamp radiation should be taken into consideration. The supply line can be extended by up to 50 m.

Detailed information can be found in the installation guide.



LCN-EFS humidity sensor:

A humidity sensor LCN-EFS, which can be subsequently installed, is optionally available for the LCN-GRT. The LCN-EFS supplies humidity and dew point values.

Models:

LCN-GRT

Colour: white
black

LCN-GRTW
LCN-GRTB



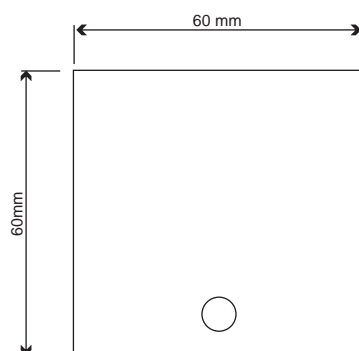
LCN-GRT

Temperature sensor and IR receiver in glass design

- Temperature sensor with integrated IR-receiver
- For installing on walls or ceilings
- For operating on the I-Port

Dimensions:

LCN-GRT (H x W x D):	60 x 60 x 24 mm
Mounting depth:	12 mm
Supplied flat cable:	280 mm
Assembly:	Wall or ceiling mounted on 35 mm light outlet box or screw mounting
Frame:	Available in white and black, customised special customized colours.



Technical Data

Connection

Power supply:	not necessary (I-Port connection)
Power consumption:	< 0.1 W

Temperature range:

Effective range:	-10 to 60 °C
Resolution:	0.1 °C
Accuracy:	typ. 0.3 °C from 15 to 30 °C typ. 0.6 °C from -20 to 85 °C, max. 2 °C for complete range

IR receiver:

Carrier frequency:	40 kHz
Installation moisture sensor:	(Order separately where appropriate)
Resolution:	1% humidity
Accuracy at 20-80% humidity:	±4%
Out of range:	±6%

Dew point

Resolution:	0.1 °C
Accuracy at 20-80% humidity and 10-40°C ambient temperature:	±2 °C

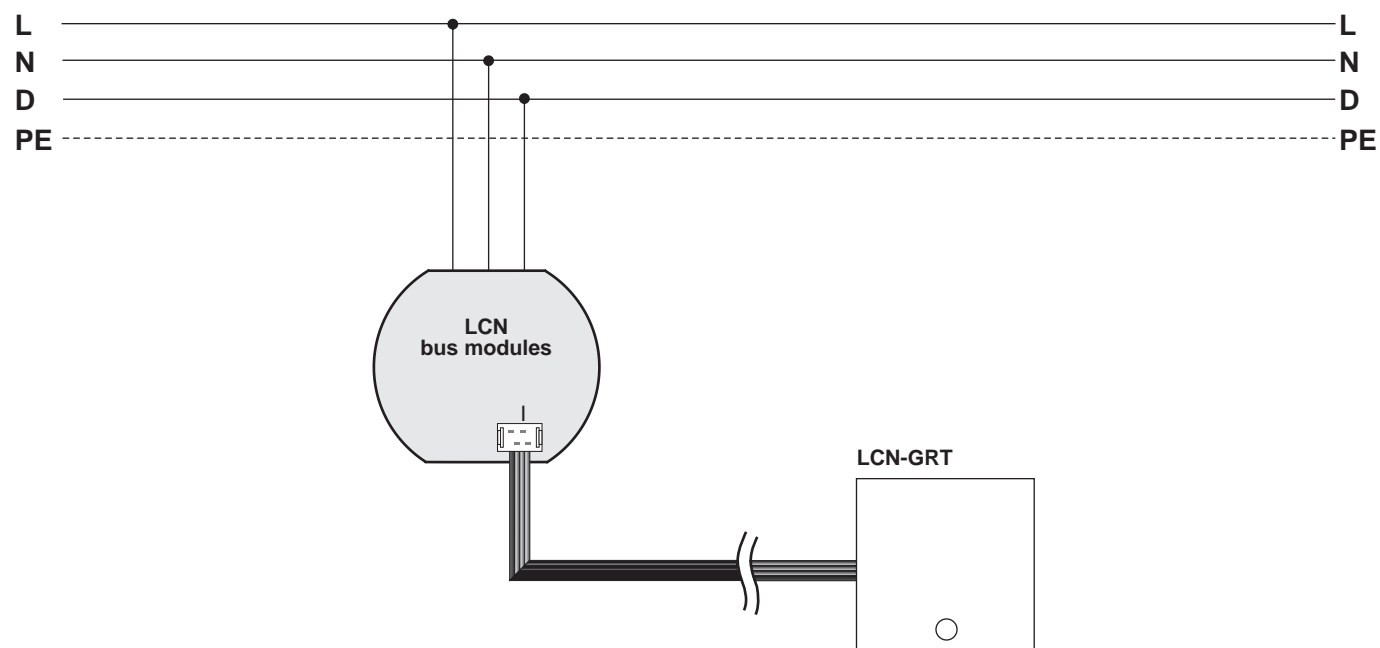
Ports:

I-Port:	Circuit connectors or spring clips
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General data:

Operating temperature:	-10 to 60 °C
Humidity:	max. 80% rel., non condensing
Environmental conditions:	stationary installation according to VDE 632, VDE637
Degree of protection:	IP 20

Circuit diagram



LCN-GBL

Presence detector and light sensor in glass design

The LCN-GBL is a presence detector with integrated light sensor for surface mounting in LCN-GT series design. The presence detector works according to the passive infrared principle. It registers changes to the thermal radiation..

Application

The light sensor is used to register the brightness in rooms. The measured value can be used for constant light control in order to achieve ideal lighting conditions with simultaneous energy saving. The brightness value can be used to control the shading system. The presence/motion detector identifies the motion of persons and objects by their thermal radiation. It can be used, optionally with the integrated light sensor, to switch lightings and for alarm functions in the building security area. The integrated light sensor covers a very large measurement range of five decades (1 to 100,000 lux).

The LCN-GBL can be combined with any I-Port peripheral equipment at the I-Port of all intelligent LCN modules like LCN-UPP, LCN-UPS, LCN-UPU, LCN-SH, LCN-SHS, LCN-HU or LCN-LD. The LCN-GBL can take effect on the R1 and R2 controllers as well as the signal thresholds 1-5. Measured values can be exchanged between LCN modules and used for arithmetic operations. A humidity sensor LCN-EFS, which can be subsequently installed, is optionally available for the LCN-GRT. The LCN-EFS supplies humidity and dew point values.

Hardware

- Presence detector
- Light sensor
- Installation space for LCN-EFS (option)
- Housing for wall and ceiling mounting
- Cable with plug for I-Port
- Screw terminal for connection via low voltage cable (shielded)

Note:

The installation location and position have an influence on the measured values: the installation height and variable heat sources are to be observed. For ideal measurement sensitivity, it is recommended to install the LCN-GBL under the ceiling. The supply line can be extended by up to 50 m.

Detailed information can be found in the installation guide.



LCN-EFS humidity sensor:

A humidity sensor (LCN-EFS), which can be subsequently installed, is optionally available for the LCN-GBL. The LCN-EFS supplies humidity and dew point values.

Models:

LCN-GBL

Colour: white
black

LCN-GBLW
LCN-GBLB



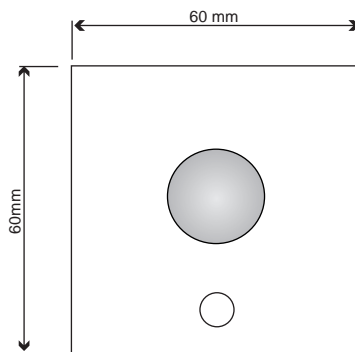
LCN-GBL

Presence detector and light sensor in glass design

- Presence sensor with light sensor
- For installing on walls or ceilings
- For operating on the I-Port

Dimensions:

LCN-GBL (H x W x D):	60 x 60 x 30 mm
Mounting depth:	18 mm
Supplied flat cable:	280 mm
Assembly:	Wall or ceiling mounted on 35 mm light outlet box or screw mountin
Frame:	Available in white and black, customised special customized colours.



Technical Data

Connection

Power supply:	not necessary (I-Port connection)
Power consumption:	< 0.1 W

Presence detector

Range:	typ. 10 m
Method:	PIR (passive infrared)
Detection area:	110°
Debouncing time:	5 seconds

Light sensor

Measurement spectrum:	450-650 nm
Measurement range:	1-100.000 lx
Accuracy:	±15% out of range
Resolution:	1% of lux-value

Ports

I-Port:	Circuit connectors or spring clips
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Recessed moisture sensor:

Humidity Resolution:	1%
Accuracy at 20-80% humidity:	±4%
Out of range:	±6%

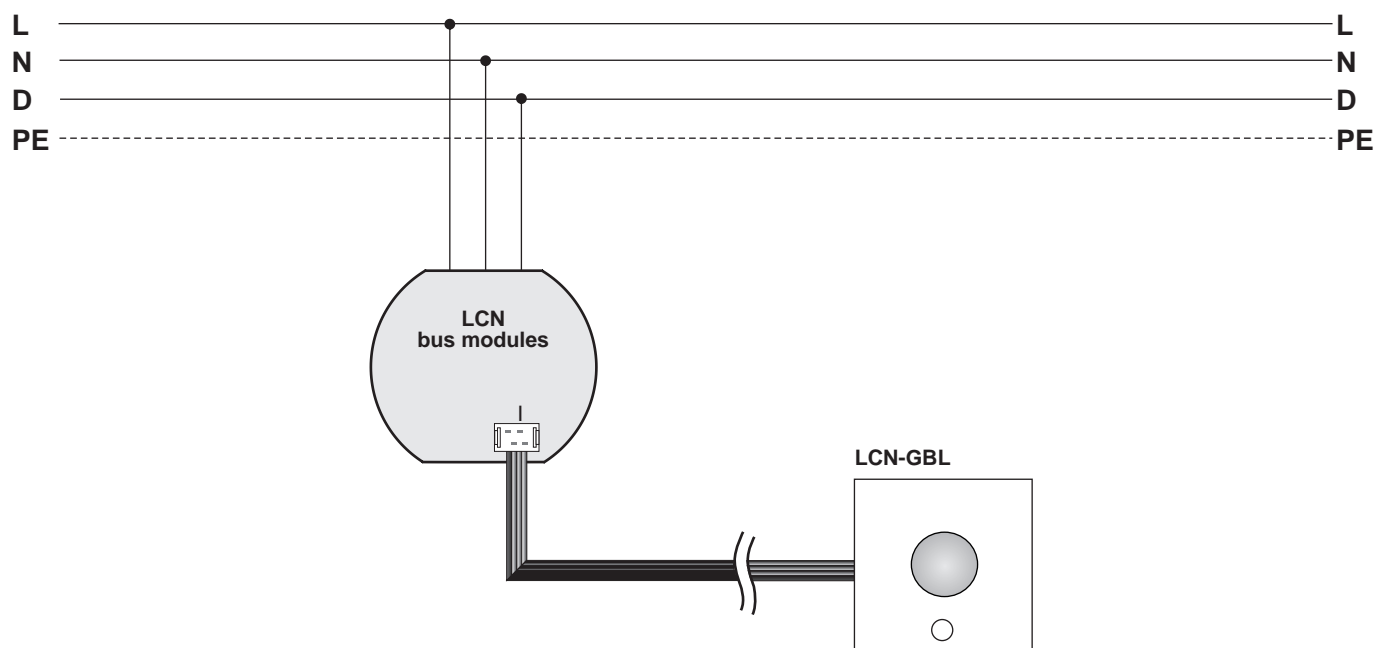
Dew point

Resolution:	0.1 °C
Accuracy at 20-80% humidity and 10-40°C ambient temperature:	±2 °C

General data:

Operating temperature:	-10 to 60 °C
Humidity:	max. 80% rel., non condensing
Environmental conditions:	stationary installation according to VDE 632, VDE637
Degree of protection:	IP 20

Circuit diagram



LCN-GUS | LCN-GUS68

Sensor for temperature, light, humidity, motion and IR receiver in glass design

The LCN-GUS is a temperature, light, humidity, motion sensor and IR receiver for surface mounting in the LCN-GT series design. The LCN-GUS can be operated with any LCN bus module with firmware 1702... (Feb. 2013) or later.

Application fields

The digital temperature sensor with its own processor supplies almost noiseless measurements and sends them via the I-Port connector to the connected LCN module. The integrated LCN-RR IR receiver allows the LCN-GUS to process the signals of LCN remote controls. The light sensor is used to register the brightness in rooms. The measured value can be used for constant light control in order to achieve ideal lighting conditions with simultaneous energy saving. The integrated light sensor covers a very large measurement range of five decades (1-100,000 lux).

The presence/motion detector identifies the motion of persons and objects by their thermal radiation. It can be used, optionally with the integrated light sensor, to switch lightings and for alarm functions in the building security area. The LCN-GUS can take effect on the controllers as well as the signal thresholds. Measured values can be exchanged between LCN modules and used for arithmetic operations.

Hardware

- Presence detector, light sensor, temperature sensor,
- IR receiver and humidity sensor
- Housing for wall mounting
- Cable with plug for I-Port
- Screw terminal for connection via low voltage cable (shielded)

Note:

The installation location and position have an influence on the measured values: the installation height and variable heat sources are to be observed. For ideal measurement sensitivity, it is recommended to install the LCN-GUS on the wall. The LCN-GUS can be combined with any I-Port peripheral equipment at the I-Port of all intelligent LCN modules with firmware 1702... (Feb. 2013) or later. The supply cable can be extended up to 50 m.

Detailed information can be found in the installation guide.



Configuration

The LCN-GUS is detected automatically. The measured values can be seen in the status window of LCN-PRO.

DIP switch

The parallel operation of several LCN-GUS is possible with different positions of DIP switches.

Modelle:

LCN-GUS:

60 x 60 mm

Colour: white
black
champagne

LCN-GUSW
LCN-GUSB
LCN-GUSC



LCN-GUS68:

90 x 90 mm

Colour: white
black
champagne

LCN-GUS68W
LCN-GUS68B
LCN-GUS68C



LCN-GUS | LCN-GUS68

Sensor for temperature, light, humidity, motion and IR receiver in glass design

- Sensor with 5 functions; integrated IR-receiver, light sensor, temperature sensor, humidity sensor
- 6 motion sensor
- For installing on walls or ceilings
- For operating on the I-Port

Dimensions:

LCN-GUS (H x W x D): 60 x 60 x 15.5 mm
(3 mm glass thickness)

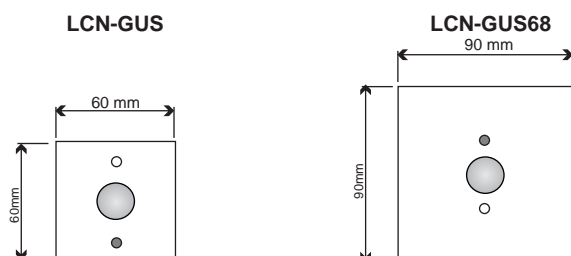
LCN-GUS68: 90 x 90 x 18 mm
(5 mm glass thickness)

Assembly:

LCN-GUS: Wall mounted on 35 mm light outlet box or screw mounting. With the LCN-A6835 the adapter frame, 68 mm flush mounted boxes and cavity wall boxes can be reduced to the size of a 35 mm lamp outlet box.

LCN-GUS68: With mounting plate for a 68 mm flush mounted wall-box

Frame: Available in white or champagne
customised special customized colours



Technical Data

Connection

Power supply: not necessary
(I-Port connection)

Power consumption: 6 mW

I-Port: circuit connectors or spring clips

Presence detector

Range: typ. 12 m

Method: PIR (passive infrared)

Detection area: 110 x 360°

Debouncing time: 5-8 seconds

Temperature sensor:

Effective range: -10 to 60 °C

Resolution: 0.1 °C

Accuracy: typ. 0.2 °C from 5 to 60 °C

Light sensor

Measurement spectrum: 450-650 nm, typ. 560 nm

Measurement range: 1-100.000 lx

Accuracy: ±15% out of range

Humidity sensor:

Measurement range: 0-100%, non condensing

Resolution: 1% (relative humidity)

Accuracy: ±3% from 20% to 80%

Dew point:

Resolution: 0.1 °C

Accuracy at 20-80% humidity and 10-40 °C: ±2 °C

General data:

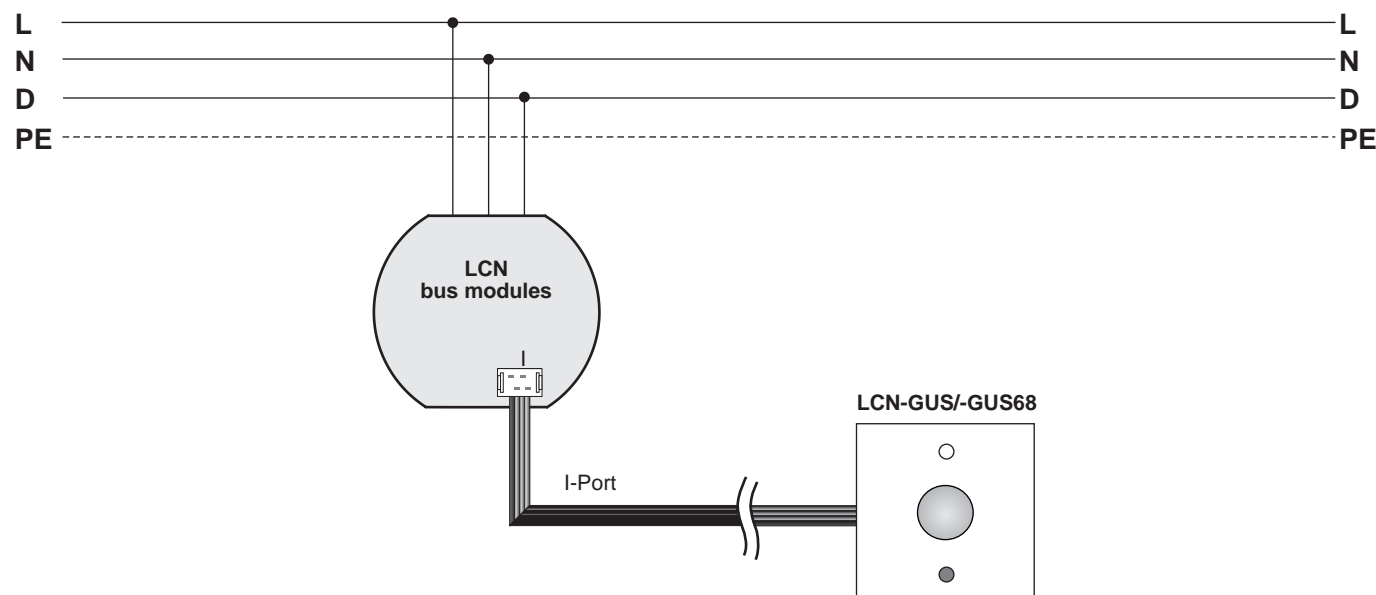
Operating temperature: -10 to 60 °C

Humidity: max. 80% rel., non condensing

Environmental conditions: stationary installation according to VDE 632, VDE637

Degree of protection: IP 20

Circuit diagram



LCN-CO2

Carbon dioxide sensor (CO₂) for the I-Port

The LCN-CO2 is a CO₂ sensor for the indoor area. It can measure CO₂ concentrations of 1-5000 ppm.

Application

The LCN-CO2 measures the carbon dioxide content (CO₂) of the air in the interior of buildings. This enables the energy-efficient control of ventilation and air conditioning systems and thus demand-oriented supply of fresh air. In this way, the LCN-CO2 makes an active contribution towards healthy room air quality. The sturdy, compact sensor uses an infrared-based spectroscopic measurement method to measure the carbon dioxide content of the air. It responds even to slightest changes to the air composition.

The LCN-CO2 can be combined with any I-Port peripheral equipment at the I port of all intelligent LCN modules like LCN-UPP, LCN-UPS, LCN-UPU, LCN-SH, LCN-SHS, LCN-HU or LCN-LD. The LCN-CO2 can take effect on the R1 and R2 controllers as well as the signal thresholds 1-4. Measured values can be exchanged between LCN modules and used for arithmetic operations.

Hardware

- CO₂ sensor for determining the room air quality
- Housing for mounting on 68 mm flush-mounted socket
- Cable with plug for I-Port
- LCN-NU16 (power supply unit)

Note:

For more detailed information please refer to the installation guide.



LCN-CO2

Carbon dioxide sensor (CO₂) for the I-Port

- CO₂ sensor for indoor air quality determination
- Captures CO₂ concentrations of 1-5000 ppm

Technical Data

Connection:

Power Supply: 9V via LCN-NULT
(included in delivery)

Measuring range: 1-5000ppm

Input potential: $\pm 30\text{ppm} \pm 5\%$ from
measured value

Resolution: 1ppm

Ports:

I-connection: available / already in use

General data:

Operating temperature: 0 to 50 °C

Humidity: max. 80% rel., non condensing

Environmental conditions: stationary installation according
to VDE 632, VDE637

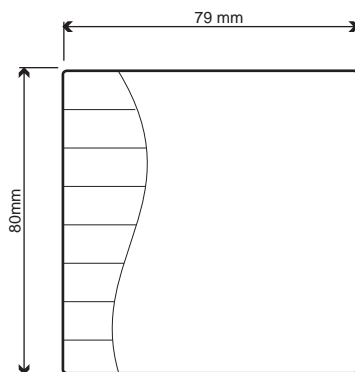
Degree of protection: IP 20

Dimensions:

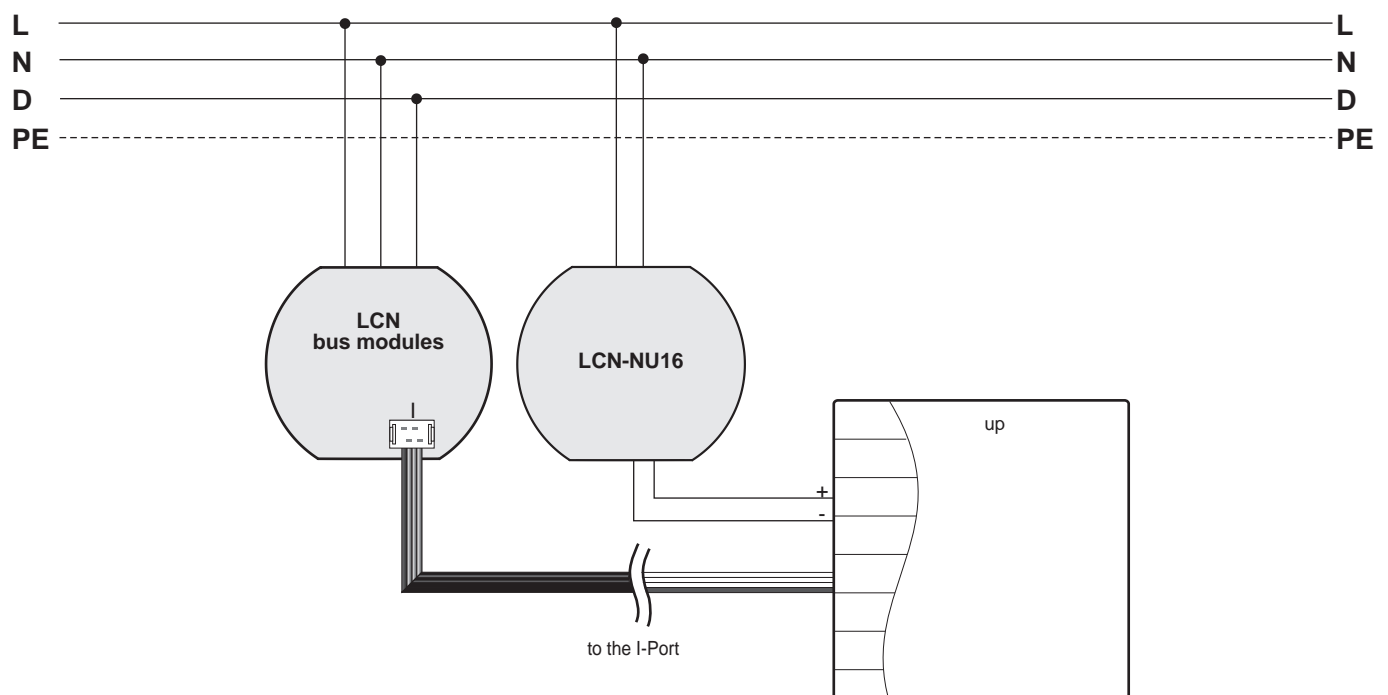
LCN-CO2 (L x W xH): 79 x 80 x 26 mm

Supply Cable: 280 mm

Mounting: on 68 mm flush-mounted box
or screw fixture



Circuit diagram



LCN-AD2

Double analogue to digital converter for DIN rail mounting

The LCN-AD2 is a 2 way analog to digital converter with a 12 Bit trigger for the I-port connection.

Application:

The LCN-AD2 is applied for the recognition of signals, for those that are not equipped with special sensors. for example sensors with very high temperatures, hygrometres, etc. The LCN-AD2 can be applied universally, because its inputs can be adjusted as follows:

- Voltage: 0-10V
- Electric current: 0(4)-20mA
- Temperature: Pt100/Pt1000 (Platinum-temperature-sensors).

The measured values are entered into the module as R1 and R2 variables. They work optional on the 4 threshold values or on both regulators.



Hardware equipment:

- Analogue input
- DIP-switch for setting the signal type
- Status-LED
- Flat cable for I-Port connection

Note:

The LCN-AD2 can be connected to an I-Port of an LCN module manufactured after series number 170206. This cable connection can be lengthened by using a LCN-IV, see also „TD I-Port peripherals“ (www.LCN.eu). For detailed information please read the installation guide.

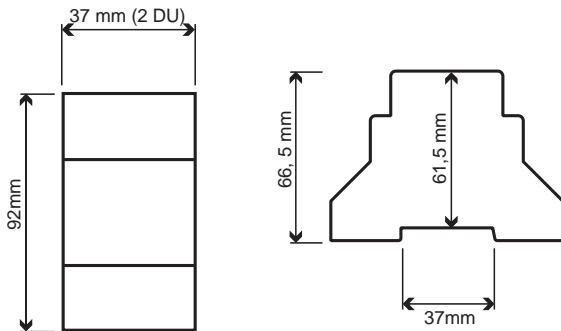
LCN-AD2

Double analogue to digital converter for DIN rail mounting

- Analog to digital converter
- 12 bit resolution
- Universally applicable for :
Voltage: 0-10 Volt
Current: 0(4) - 20 mA
Temperature : Pt100/Pt1000
- Connected to the I-Port

Dimensions:

LCN-AD2 (L x W xD):	37 x 92 x 66,5 mm
Supply Cable:	300 mm
Space requirement:	2 DU
Installation:	on 35 mm mounting rail (DIN 50022)



Technical Data

Connection:

Power Supply:	230 VAC \pm 15%, 50 Hz
Wiring option:	screwless
Conductor type:	solid or strand wire max. 2.5 mm ² or with insulated ferrules max. 1.5 mm ²

Ports:

LCN-Port:	I-Port
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Inputs:

Number:	2
Input potential:	max. 500 V towards N
Measuring range:	0-10 V, 0/4-20 mA, Pt100, Pt1000

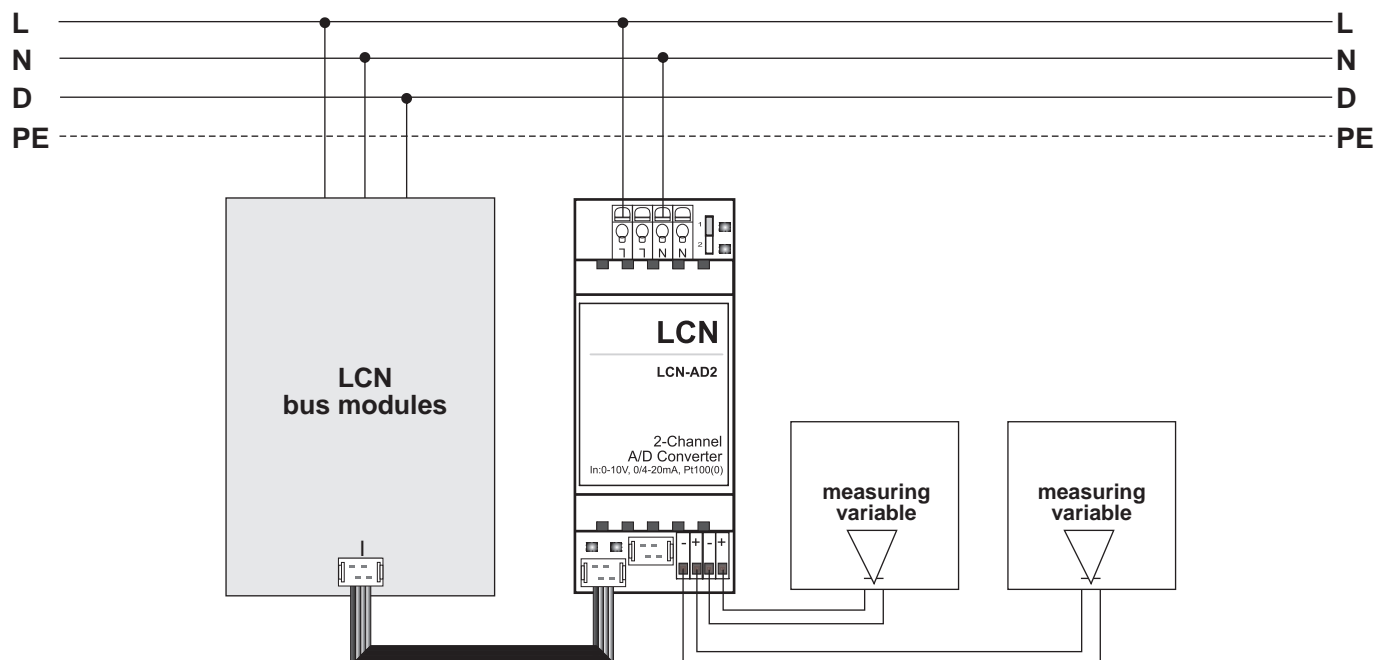
Resolution:

Resolution:	12 bit
Wiring option:	screwless
Conductor type:	solid or strand wire 0.2-1.5 mm \varnothing or with insulated ferrules 0.5-1.38 mm \varnothing

General data:

Operating temperature:	-10 to 60 °C
Humidity:	max. 80% rel., non condensing
Environmental conditions:	stationary installation according to VDE 632, VDE637
Degree of protection:	IP 20

Circuit diagram



LCN-ZEA

GPS time receiver for the I-Port

The LCN-ZEA is a GPS time receiver for the I-Port

Description

The central european time (CET) is calculated from the UTC signal of the receiver. For operating in other time zones worldwide, the settings can be changed with the LCN-PRO. The toggling between summer and winter time is carried out automatically in all time zones.

The LCN-ZEA is recognized automatically. With normal receptional conditions, the sensor sends the central european time (CET) after around 3 minutes, over the I-Port to the module, then into the LCN bus. The LCN-ZEA can be operated on the I-Port of any LCN bus module with firmware 1702... (Feb. 2013) or later.



GPS receiver time zone:

Delivery status: central european time (CET), configurable. All worldwide summer time changes are supported.

Note:

A power supply LCN-NUI/-NIH is needed for operating. This is not included in the scope of delivery. For detailed information, please refer to the installation guide.

LCN-ZEA

GPS time receiver for the I-Port

- receives the GPS signal
- sends precise time in the LCN bus
- connected to the I-port

Technical Data

Connection

Power supply:	LCN-NUI/-NIH (over I-Port)
Power consumption :	0.2 W
LCN-connection:	I-Port extension
terminals/wire type:	screwless terminals 0.2-1.75 mm ²

GPS-receiver

time zone:	delivery status: central european time (CET), configurable all worldwide summer time changes are supported.
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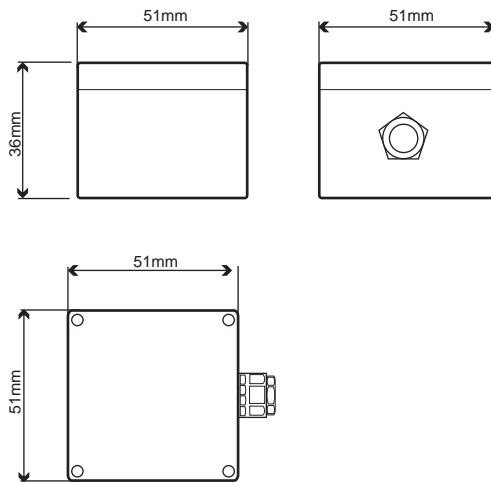
General details:

Operating temperature:	-20 to 50 °C
Environmental conditions:	use as stationary installation according to VDE632, VDE637
Degree of protection:	IP 65

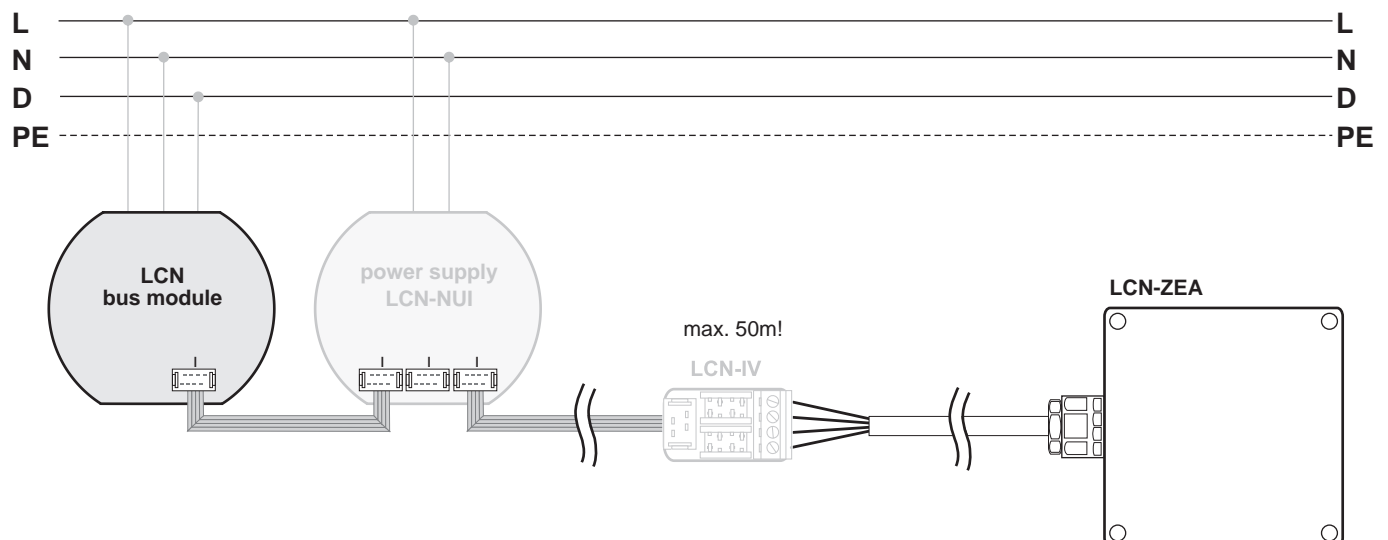
Dimensions:

LCN-ZEA (L x W xD): 51 x 51 x 36 mm

Mounting: screw fixture



Circuit diagram



LCN-GFPS

Fingerprint sensor in GT design

The LCN-GFPS is a fingerprint sensor for the I-Port of any LCN module with version 190512 (May 2015 or later.). The LCN-GFPS scans fingerprints and transfers an assigned code over the LCN bus.

Application

The LCN-GFPS can be used for all types of access control. Besides automatic opening and closing of doors, gates and windows, the alarm systems can be also activated or deactivated. Using the LCN-GFPS you may combine the access control with switching the light in the office.

A Corona® surrounding light with 16 white LEDs serves as a decorative accent lighting and as a discreet orientation light, so that the LCN-GFPS can be comfortably operated even with a low environmental light.

Hardware

- LCN-GFPS
- LCN-NUI power supply unit
- I-Port and mounting plate



Models:

LCN-GFPS

Size: 90 x 90 mm

Colour: white
black

LCN-GFPSW
LCN-GFPSB



Note:

Attention: connect with power supply switched off! The cable to the bus module can be connected optionally up to 20 meters by using the LCN-IV. At large establishments with many users, we recommend to use a separate module for controlling the LCN-GFPS, so that enough band width is available for synchronising biometrical data on the peripheries. For detailed information, please refer to the installation guide.

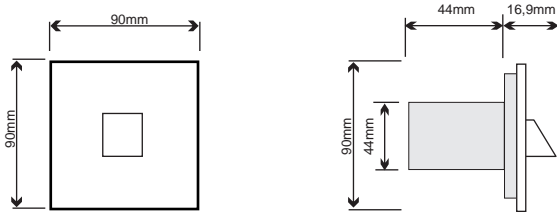
LCN-GFPS

Fingerprint sensor in GT design

- As part of a comprehensive access control
- Produces transponder codes from a fingerprints

Dimensions:

LCN-GFPS (H x W x D): 90 x 90 x 16.9 mm



Technical Data

Connection

Power supply:

over the I-Port (LCN-NUI)

LCN connection:

on the I-Port of an LCN bus module with firmware 190512... (May 2015) or later, for bidirectional communication

Function

sensor:

fingerprint scanner for max. 999 fingers with living finger recognition

LED's:

4 LED's for showing the sensor status, 16 white corona® LEDs controllable over the command LED
GT-brightness in 10 steps

General details:

Operating temperature:

-10 to 40 °C

Humidity:

max. 80% rel., non condensing

Environmental conditions:

stationary installation according to VDE 632, VDE637

Degree of protection:

IP 20

Circuit diagram

