



# Experience at home

Professional building automation  
for your Smart Home made in Germany.


**Smart. LCN**
**Your smart home takes care of you**

Smart home technology provides security, comfort and energy efficiency in your home - it's like a personal assistant that takes care of your individual needs.

**What is LCN?**

LCN automates all functions within your home - from lighting and shutter control to access control. This does not require any complicated operating elements.

The system is completely flexible and can be expanded at any time without much effort. All you need for intelligent technology in your home are a few LCN components that are installed invisibly behind switches and sockets or in the distribution box and networked together. A simple free wire in the existing power line is enough for reliable communication.

The electrical installer refers to this as an installation bus. LCN stands for comfortable living, safe living and economical energy use.

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## Experience your home in a new way.

*Energy efficiency. Safety. Comfort.*

To have full control. Whether from the sofa or on the road.

Feel-good temperatures and comfort everywhere - a cozy home.

Being able to call up atmospheric lighting scenes simply at the touch of a button.

Being sure at a glance that all doors and windows are locked.

Being able to rely on your own home to save energy on its own.



## Safety

### With security: LCN

Depressing: According to the BKA, the number of home burglaries is on the rise. Good for the one who has LCN at home! LCN protects your belongings at all times. LCN offers a comprehensive alarm system with perimeter security, presence detection and innovative sensors up to multi-zone alarm systems to protect large assets.

Depending on the individual setup of your system, you can lock all doors, switch off devices, move shutters and activate the alarm system with just one push of a button.

Even more: With an LCN visualization you monitor and control your building on the go. The LCN sends you important messages as a push message directly to your cell phone. A safe feeling = high quality of life

- Access control via personalized transponders, fingerprint sensor or by remote control
- Monitoring of windows and doors
- Monitoring of rooms by presence detectors
- Monitoring on the move via Visualization system LCN-GVS or LCN-VISU
- Notification via e-mail, SMS or push message
- High-quality multi-zone alarm systems with separate action / notification



## Energy efficiency

### LCN means saving money

It's already standard in automobiles, but often still uncharted territory in homes. Cars are designed for maximum efficiency.

In buildings, a similar savings potential can be achieved - thanks to the use of LCN. The cooperation of all components with the help of the LCN bus ensures a pleasant climate as well as efficient use of electricity, gas or oil.

The pleasant part is: you don't have to worry about anything. The control of these energy-saving options runs automatically and exactly according to your wishes.

Standard functions include presence-dependent temperature control, prevention of ventilation losses, and much more.

LCN (as the first system worldwide!) goes an important step further: The supply temperature is optimized via communicating controllers in such a way that the room temperatures are reached faster and still a lot of energy is saved.

Temperatures are reached more quickly and a lot of energy is still saved:

### More comfort while saving gas and electricity!

- **Optimized use of solar energy**
- **Consumption-optimized control of the supply temperature / heating system**
- **Monitoring of temperature and air quality:  
Automatic opening and closing of windows**
- **Daylight-dependent lighting  
for optimal use of daylight and artificial light**
- **Presence control with presence detectors  
(lighting / climate depending on room use)**
- **Passive night cooling**



## Komfort

### LCN bedeutet Komfort

Automation. Nicht nur in der Industrie der Weg in die Zukunft. Durch LCN erschließen sich mannigfaltige Lösungen für Ihr Zuhause.

Stellen Sie sich vor: Sie kommen nach einem langen Arbeitstag nach Hause. Ein Sensor erkennt Sie und öffnet die Tür automatisch. Die Klimatisierung startet und ein individuelles Lichtszenario heißt Sie willkommen.

Sie wollen nur noch entspannen. Kein Problem: Mit nur einem Tastendruck fahren Sie Jalousien herunter, rufen Lichtstimmungen ab und genießen den Abend - Dank LCN.

Dabei können Sie alle Geräte im LCN-Bus mit einbeziehen. Beispiel: Ein Szenario „Heimkino“ sorgt auf Knopfdruck dafür, dass Jalousien und Leinwand herunterfahren, das Licht gedimmt und die Surround-Anlage eingeschaltet wird. Nach dem Filmgenuss reicht ein weiterer Knopfdruck: **einfach wohlfühlen mit LCN**

- **Steuerung von Gebäuden durch Fernbedienung, Präsenzmeldern oder auch per App**
- **Wettergeführte Haussteuerung für Sonnen- und Regenschutz**
- **Abspeichern und Aufrufen von Lichtszenen**
- **Auslösen mehrerer Funktionen über einen Tastendruck** (z.B. für eine Zentral-Aus-Funktion)
- **Automatisches Abschalten von Endgeräten** (z.B. Bügeleisen, Herd oder Kaffeemaschine)
- **Informationsausgabe über Taster, LCN-GVS oder per App**
  - Anzeige von Innen- und Außentemperatur
  - gewonnen Energie durch Photovoltaik
  - Status der Alarmanlage
  - usw., usw. ...

Excellent design



## A symbiosis of technology and design.

*The LCN-GT(S) series - Easy handling. Great effect.*



reddot design award  
winner



Perfection.

7



## LCN-GT(S) push-button: Function and design in pure nature.

A gentle touch: slowly the light dims to the desired brightness and the blinds move ...

The LCN-GT(S) glass pushbuttons not only offer outstanding possibilities for controlling all LCN functions, but also have a design that has won multiple awards.

Whether as "GT" with wide frame or as "GTS" with narrow frame in facet cut - all pushbuttons of the LCN-GT(S) series captivate by their high-quality processing with a capacitive sensor key field behind noble mineral glass.

From the 2-fold to the 12-fold pushbutton with bargraph display to the keypad with brilliant 2.8" color display and six capacitive buttons. The LCN-GT(S) series includes a wide range of different models with maximum flexibility.

The size of the keys and their assignment are set up according to your individual wishes. The pushbuttons can be designed just as flexibly and elegantly with inlay foils.

This is how you give the glass pushbuttons your personal style.

## Extensive functions

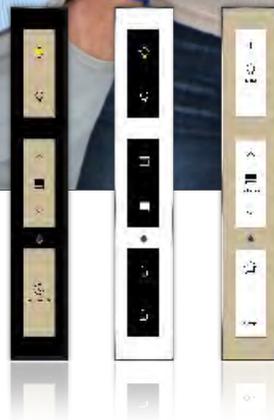
You are always informed thanks to status LEDs in the keys. Current measured values are shown as bar graphs and on the brilliant displays.

The LEDs as well as the key illuminations are dimmable. A special highlight is the patented Corona® light ring: it highlights the buttons in the dark and can also be used as an orientation or night light.

The LCN-GT(S) series: a perfect symbiosis of great functionality and excellent design.



Unique



## The new LCN-GT6L

*A new benchmark in design and function*

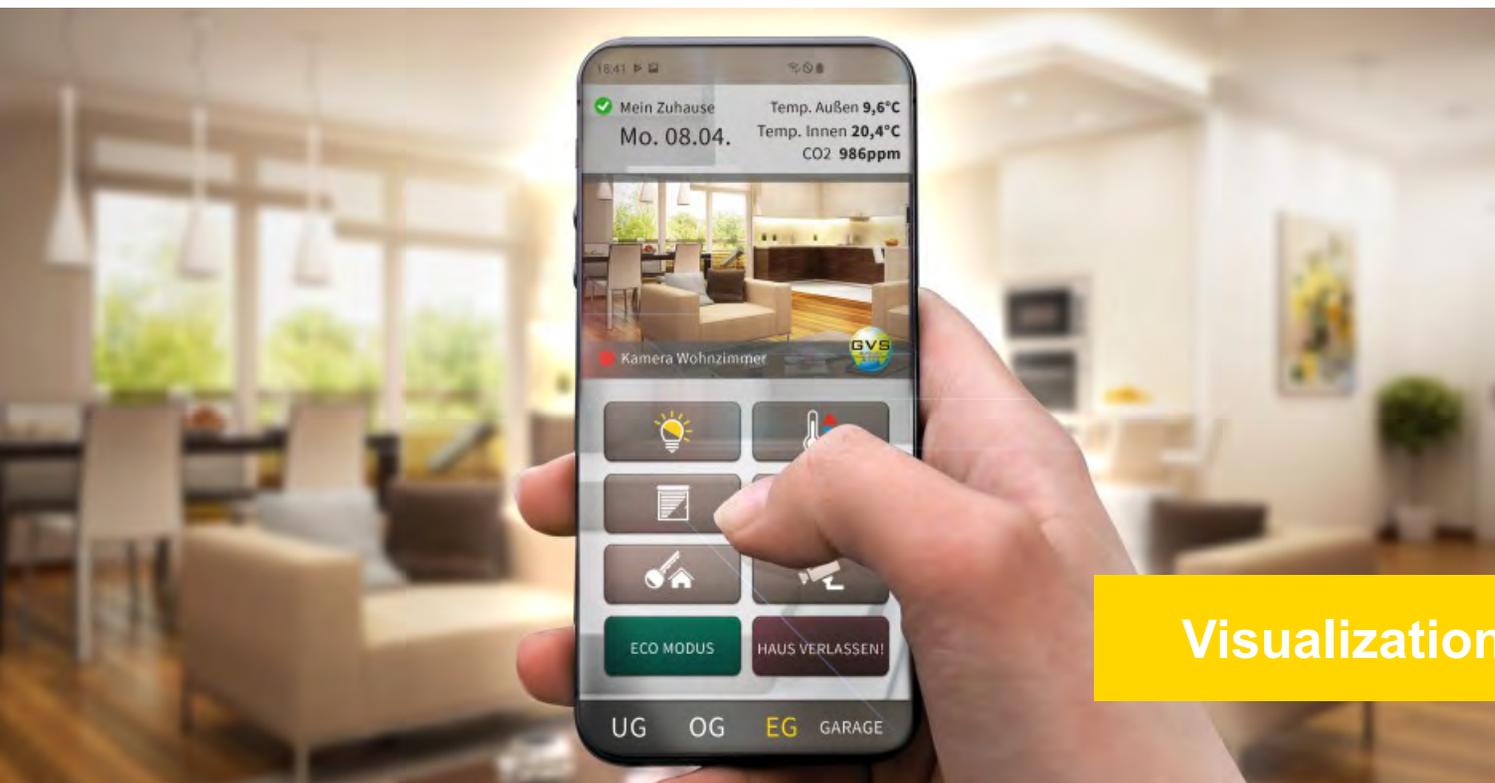
### Sensor pushbutton in a new dimension

Sensor pushbuttons in a new dimension: With 50 x 300mm, the LCN-GT6L is extremely slim and thus nestles particularly harmoniously against doors and frames.

In addition to its elegant design, the LCN-GT6L impresses with its user-friendliness. The large sensor surfaces are particularly pleasant and easy to operate.

Each field can be designed as a 1- or 2-way button. The innovative slider function enables dimming in a new dimension.

The infrared receiver & high-precision temperature sensor as well as button illumination and Corona® light ring round off the functionality of this extraordinary, elegant pushbutton.



**Visualization**

## LCN-GVS. Wireless into the building

The global visualization system LCN-GVS comprehensively controls and monitors buildings and globally distributed properties.

The GVS concept is impressively simple: Whether via tablet, smartphone or PC - a browser with Internet access is all that is needed for operation.

The design options are almost limitless: site planning panels with dynamically adaptable menu depths, tables and tile displays, as well as custom libraries with animated icons - everything is possible.

An event manager monitors even complex processes in the building and raises an alarm via push message, SMS and e-mail. Duty schedules are taken into account in the notifications if desired.

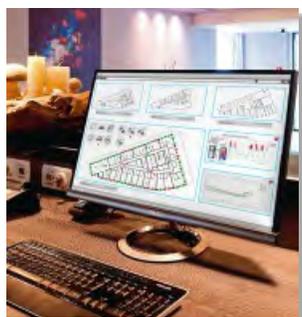
Thanks to the unique acknowledgement and reporting system of the LCN bus, all information is always up to date. Measured values and binary information are displayed in diagrams that can be scrolled back over any period of time. The LCN-GVS offers an automatic export of the measured values and the data from the comprehensive access control - important for further processing with third-party programs.

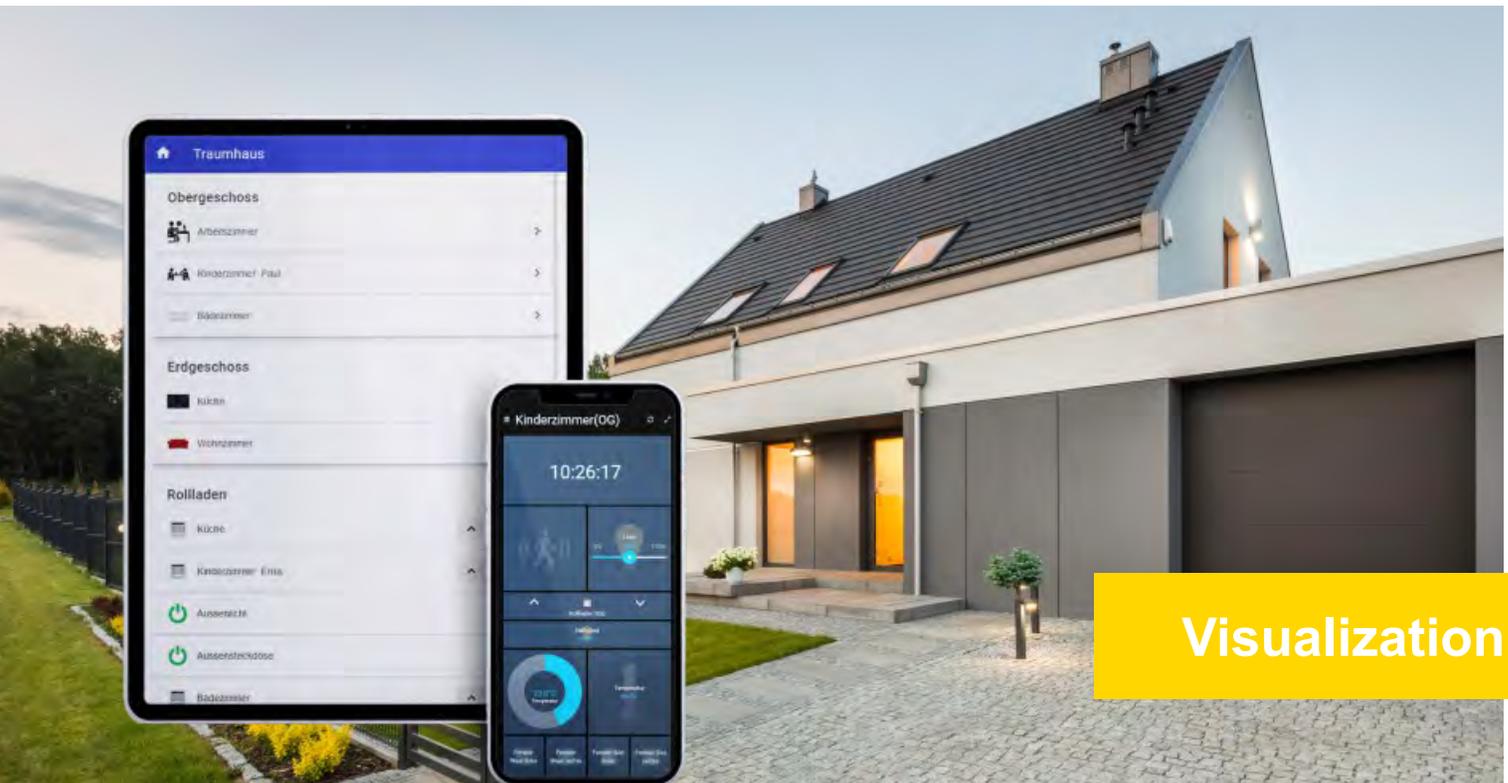
Any number of timers, sequential controls even across building boundaries. Control of TCP/IP devices and much more complete the functionality.

An extensive password system allows individual rights for each user: the same tableau appears completely different to the janitor than to the office worker.

Data security, especially when accessed via the Internet, is guaranteed at all times - certified by USB, a banking security company.

**With LCN you have full control over your building - anytime, anywhere in the world!**





## LCN-VISU: Simple and comprehensive

The Internet makes it possible: control your building simply and comprehensively - with smartphone, tablet or laptop. The intuitive interface offers you the choice between table and tile display.

Due to the international standard openHAB, the LCN-VISU is open for all systems - ALEXA, HUE and SONOS are directly supported.

Advantages:

- Easy installation and setup
- Access to your smart home from anywhere
- Connection of the latest smart home devices

The LCN-VISU is a small device in the distribution cabinet and is set up in minutes. Because it uses the comments in the modules. Thanks to LCN's comprehensive acknowledgement and messaging system, you are always kept up to date.

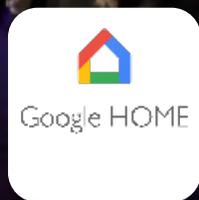
In addition, the LCN-VISU serves as a coupler via the Internet to LCN-PRO, LCN-GVS (if additionally installed) and to the LCN-PCK protocol, via which third-party programs can control the LCN bus - protected by password, of course.

The built-in ModBus coupling allows reading meters, controlling air conditioning and heating systems and controlling wallboxes for charging cars with solar power. Translated with [www.DeepL.com/Translator](http://www.DeepL.com/Translator) (free version)

Fields of application:

- LAN coupling module to the LCN system
- Visualization based on openHAB
- remote maintenance (LCN-PRO)
- large visualization (LCN-GVS)
- Couplings: PCK, ModBus





## Simply connected

### *Hue and Sonos*

The LCN-VISU and the LCN-GVS not only provide you with easy access to your home automation, but also integrate additional convenience functions for central access.

This means that Philips® Hue® lights and Sonos® sound systems can also be integrated. You can quickly turn any evening into a party - all at the touch of a button.

This makes the LCN-VISU and LCN-GVS not only your user-friendly assistant in your home, but also connects the different applications.

This is how LCN puts together the crucial functions to create a true smart home. Full control over your energy consumption, security and that with maximum convenience - simply connected with LCN.



### State-of-the-art technology.

Bus modules form the basis of every LCN installation. These intelligent mini-computers control all processes in the building like a neural network. All they have to do is communicate via a free wire in the standard power cable.

standard power cable - reliable installation couldn't be simpler. LCN is the world leader in transmission performance.

LCN is subject to the VDE rules. This makes it easy for the installer on site: he stays in his world. Simple installation saves costs.

The choice is yours: Do you just want to keep all your options open for the time being? Then have all cables laid with 5 wires: for very little money you have prepared your house for high-end building control!

Or do you want to equip an existing building with high-end control: Since LCN does not require its own cable network, little work is needed on the plaster: you often already have the free wire.

Bus modules can be installed behind push buttons or in the control cabinet. You do not need a central computer.

Thanks to cable, LCN is super reliable and comprehensively covers all areas of building control!

### Excellent design.

The glass sensor pushbuttons of the LCN-GT and LCN-GTS series, which have won design awards, are much more than just conventional switches. In addition to the functional advantages such as the capacitive keys with multiple functions, the brilliant TFT color displays and the corona light, the "GT's" offer many optical highlights.

The elegant finish of the front panel made of ground mineral glass is complemented by individually inscribable inlays. Thus the GT(S) series offers not only choice, but also personal design scope.

LCN also offers very special pushbuttons: the LCN-GG1 for completely contactless dimming and switching. And the GT6L in a completely new, patented format. Both pushbuttons are elegantly made of mineral glass and have an award-winning design.



Clever.



## Last but not least ...

Smart buildings are not the future, they are already a reality. Take part in it! Let them convince you of the advantages of the LCN system.

Comfort, security and energy efficiency are close at hand:

One call to your electrician is all it takes.

A network of LCN-certified partners is available to provide you with advice and support. These trained partners will help you to turn your ideas into a project and to implement it.

The uncomplicated installation and programming, automation of functions and the possibility to expand or reprogram the building afterwards without much effort speak for the LCN system.

We are happy to help you find a partner in your partner in your area. A phone call is all it takes.

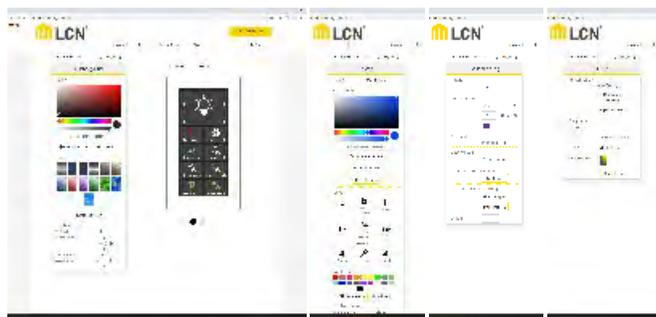
**Phone number: +49 50 66 99 88 55**



## More than just smart home.

As one of the top systems for smart home technology, LCN surpasses other providers in another important aspect: performance.

This is because, unlike many of its competitors, the LCN system not only meets the wide range of requirements in the private smart home sector, but can also be successfully used in the largest buildings thanks to its outstanding performance and system stability as one of the world's most powerful bus systems.



Just the way you want it

Thus, to this day, the LCN system is operated not only in tens of thousands of private residential buildings, but also in the most complex functional and industrial buildings, as well as the highest office towers, such as the Maintower in Frankfurt a. M., UpTown Munich and the Skyoffice Düsseldorf.

Many attributes ...

Reliability, functionality, safety, comfort, design, flexibility, performance, future-proofing

... one system: LCN.

## The LCN GT Designer

The individual design of the key surfaces contributes significantly to the beauty of an LCN system.

With the LCN-GT-Designer design tool, it is easy to implement the design of the key surfaces according to your wishes and ideas.

The LCN-GT-Designer is available to you free of charge. Let your creativity run free!

[www.lcn.eu/gtdesigner/](http://www.lcn.eu/gtdesigner/)

# LCN-checklist

For the conversation with your installer:  
Check off what you need  
... according to your wishes!

## LIGHTING

- Automatic constant light control
- Individually programmable light scenes
- DALI/DMX/0-10V/RGB lighting
- Presence lighting via presence detection
- Lighting control via time switch function
- Alarm/emergency lighting
- Presence simulation
- Effect/accent lighting
- Outdoor/garden lighting
- Central lighting control
- Flickering light instead of door chime

## ACCESS CONTROL

- NFC sensor pushbutton
- Fingerprint sensor
- Transponder reader
- Universal transponder (e.g. car key)
- Code lock function via LCN pushbutton
- IR remote control
- Visualization (GVS)
- Personalized access authorization
- Time-specific access authorization

## OPERATION

- Sensor glass button (LCN-GT series)
- Visualization (LCN-GVS)
- Mobile Devices (Smartphone/Tablet/PC)
- Conventional pushbuttons
- IR remote control
- Active/passive transponders
- Voice control via ...
- Gesture control (LCN-GG1)

## CLIMATE (heating/ventilation)

- Heating system control
- Radiator control via actuators
- Individual room temperature control
- Temperature control (according to time of day and room usage)
- Ventilation control (CO2/temperature/humidity)
- Detection of air quality
- Timers
- Weather station
- Reporting functions (frost alarm, severe weather, etc.)
- Weather-dependent shading control (sun, wind etc.)

## SECURITY

- Multi-zone alarm system (monitoring of different areas)
- Remote monitoring via visualization (LCN-GVS)
- Notification via PUSH messages (also directly to guard/security services)
- Presence simulation (lighting, shutters etc.)
- Panic/alarm function "All ON and OPEN!" (central for doors, windows, shutters, lighting)
- Monitoring of door/window contacts
- Sensor monitoring (glass breakage, humidity etc.)
- Presence detector (presence/movement)
- Coupling to fire alarm systems

## ENERGY MANAGEMENT

- Consumption-optimized heating control (demand-based control of individual radiators)
- Monitoring of temperature and air quality (automatic opening and closing of windows)
- Daylight-dependent lighting (optimal use of daylight and artificial light)
- Presence control with presence detectors (lighting and temperature control depending on the use of the room)
- Passive night cooling (automatic air exchange with temperature regulation)
- Coupling to solar/photovoltaic systems
- Consumption data acquisition



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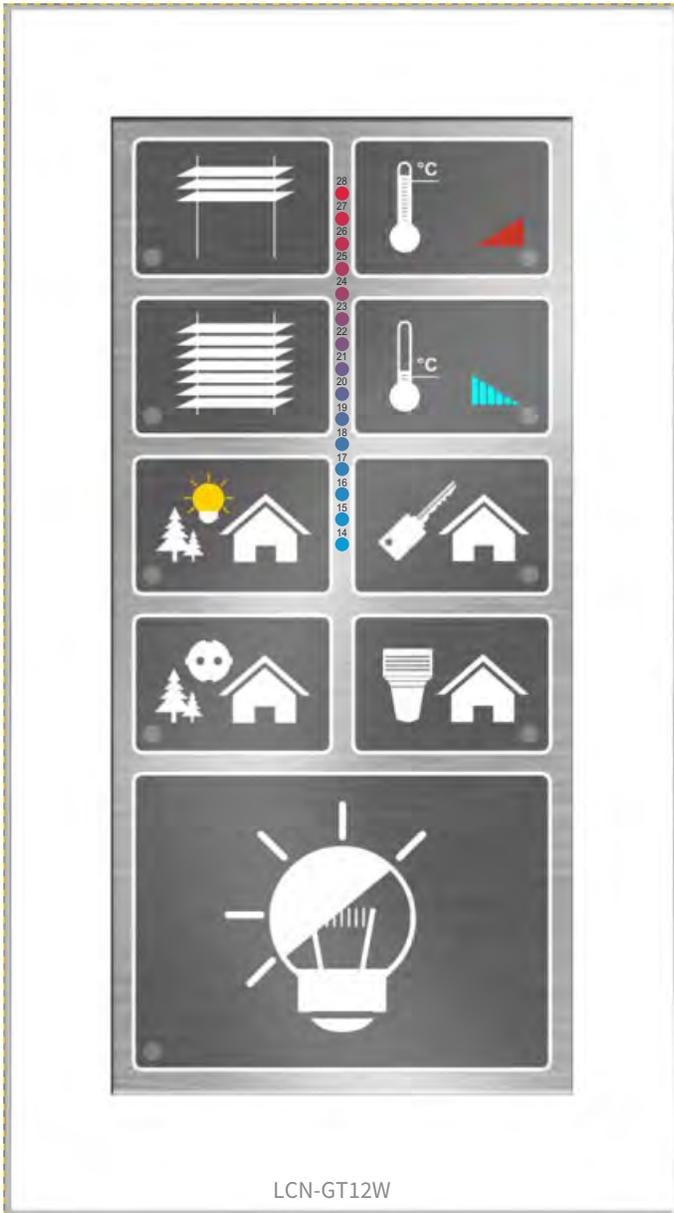
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# LCN<sup>®</sup>

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## Die LCN-GT(S)-Serie

