



The intelligent electric installation.



From conventional to
intelligent electric installation.



Product information 2019



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Welcome to the world of Omnio.

The intelligent radio bus system to control lighting, shading and heating of buildings.

If you require more flexibility during building or restoration activities, you should follow new directions starting from scratch. The electric installation specifically challenges architects, planners, electricians and owners. The demand for more comfortable functions within the building automatically leads to more wiring and requires complicated controls including complex programming and finally gets very expensive. In consequence of keeping the building budget they skimp on comfort and eco friendliness.

Omnio is a competitive and technical attractive alternative to conventional electric installations. The completely maintenance free system is based on the bidirectional EnOcean radio technology. It connects switches and electric consumers via radio instead of conventional wiring systems. The advantages are obvious.

- **Exemplary performance.**
- **Highest flexibility during installation.**
- **Wide individuality in implementation.**
- **Sustainable EnOcean radio technology.**
- **Competitive and eco friendly system.**

Tomorrow's technology for today's requirements.

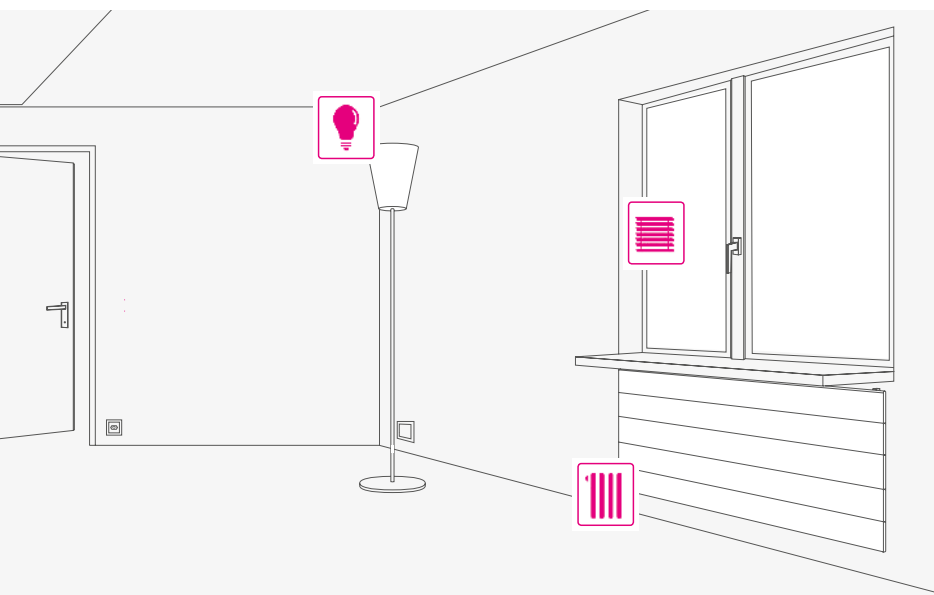
Who wishes to meet today's demands in comfort will push the limits of yesterday's technology. Instead of conventional electric installation, which needs to be concealed, Omnio offers the greatest possible flexibility. Switches and sensors can be placed wherever you need them, even on glass or metal. It's simply the most flexible system for your building automation. Optionally you may visualise the complete system allowing access to your home controls by PC, tablet or smart phone at any time and anywhere you may be.

The systems intelligence is spread out in all actuators and therefore doesn't need any central control unit. With it being an open bus system, all Omnio devices can be easily integrated and operated by any third-party system.

Within the last twenty years our living space and working place has changed completely. Standard wiring solutions are not able to keep up with the constant changes of personal requirements to ones living environment. The definition of comfort may alter day by day. Thanks to Omnio you may adapt your living space to your actual requirements and gives you the freedom for supplementary changes any time you need them. Using the planning software E-Tool, the installation and functions of an object are fully documented. Even after years the parameters can be read-out. All visible components come in different colours and versions in order to blend in to the architecture. Multifunctionality and elegant design cannot be combined? On the contrary! With Omnio you not only gain on quality of life furthermore you will achieve a unique building experience.

Overview of the Omnio system.

Omnio as a part of the electric installation is able to control lighting, shading and heating on an intelligent basis. Omnio relies on the established EnOcean technology, regulated within the international standard ISO/IEC 14543-3-10.



Lighting.

- Switching
- Dimming
- Cross-fading
- Staircase lighting function
- Sequential push-button
- Step switch (AW20)
- Time switch (AW23/24/25)
- Monitoring windows and sliding doors
- Toilet venting function
- Programmable scenes
- Presence simulation

Shading.

- Control of 230 V tubular motors in blinds, sun blinds, awnings, sliding gates or garage doors
- Controllable slat angle
- Monitoring windows and sliding doors
- Automatic function for temperature-, wind- and rain sensors
- Positioning function and feedback into higher-level systems and visualisations

Heating.

- Regulation of temperature in rooms through two-point controller and hysteresis
- Suitable for EnOcean room temperature sensors
- Individual setpoint
- Predefined settings: Comfort, standby, night, off
- Monitoring windows and sliding doors
- Automatic frost protection
- Switch to second setpoint



Professional and useful anywhere.

Planning.

- Omnio simplifies planning. Customer requirements may be integrated in the planning process within a phone call.

Settings.

- Omnio projects may be completely preset on delivery. The electrician can be reassured that his project will work out flawlessly.

Initial operation.

- Omnio's initial operation is a piece of cake. Any customer's last-minute requirements can be implemented in a blink.

Independently placeable.

- Omnio transmitters may be placed independently. They neither need wiring nor batteries, nor any maintenance.

Limitless.

- Omnio systems allow supplementary changes and extensions at any time. The intelligence is hidden in each receiver.

Safe.

- Omnio is a part of the electric installation and doesn't require any central control unit. If any interference should occur, only individual parts of the system will fail.
- Omnio works without internet and therefore cannot be attacked by any hackers.

ARCO - AWAG remote commissioning for Omnio.

With ARCO you can easily program Omnio actuators via radio, without manual access to the device. At the push of a button you can read-out the complete and actual documentation, even when adjustments have been carried out by hand with a screw driver. Customers requirements can be carried out easily at any time, even after the devices have been mounted.

Simply flexible.

Visualisation.

The Lahoco visualisation can be adapted to the personal requirements in any living space. Lighting, temperature, blinds and many more can be controlled by a fingertip on a touch screen at home or even outdoors.

The unique experience provides direct access to the various components within the household using almost every commercially available mobile or fixed platforms.

The visualization does not require an Internet connection, the data is stored directly in the heart of the system at home. This ensures the security of your data, since it's not being sent to the cloud.



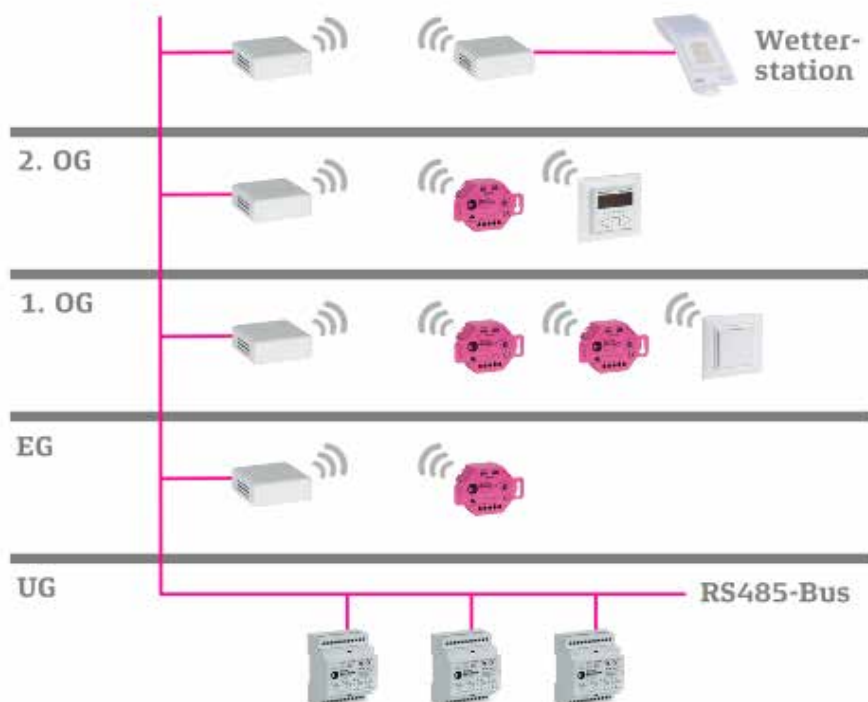
The Omnio E-Bridge.



Omio E-Bridge technology.

Although the range of EnOcean radio inside buildings is far better than any other technology, it may be possible to reach the technically feasible limits, especially within larger objects. In these cases the solution is the innovative Omnio E-Bridge technology. With the Omnio E-Bridge you can connect up to twenty zones via an RS485 bus. Thanks to bidirectional communication, even higher-level systems such as visualisation can be easily integrated.

The typical application is a multi-storey building: Each floor is a self-contained zone equipped with Omnio sensors and actuators, which are operated locally as usual. On the other hand, central commands such as a “central off” or a “wind alarm” coming from the weather station on the roof, are reached from all zones by an RS485 bus and switch off all lights within the building when leaving or raise all blinds in the event of a storm.



Product Overview.

Wall mounted transmitters 4-channels FOR SWISS FRAME SYSTEMS 58 MM



The **Omnio wall mounted transmitter 4-channels WS-CH-102** is a battery-less and maintenance-free transmitter including a single and double rockers with centre position compatible with the switch product ranges of Feller EDIZIOdue, ABB Sidus and Hager kallysto.line. To install with screws or adhesive foil. Optional mounting plates allow mounting in different combinations. *Delivery includes single rocker (1 pc), double rockers (2 pcs), Feller EDIZIOdue cover frame, and double sided adhesive pad.*

Wall mounted transmitters 4-channels	Type	Art.-No.
Pure white without marking	WS-CH-102-RW	1251 153
Black without marking	WS-CH-102-SW	1251 150
Silver without marking	WS-CH-102-SB	1251 200
Colour according to custom requirements without marking	WS-CH-102-XX	1251 900
Pure white with marking «O – I»	WS-CH-102-L-RW	1255 153
Black with marking «O – I»	WS-CH-102-L-SW	1255 150
Silver with marking «O – I»	WS-CH-102-L-SB	1255 200
Pure white with marking «△ – ▽»	WS-CH-102-J-RW	1256 153
Black with marking «△ – ▽»	WS-CH-102-J-SW	1256 150
Silver with marking «△ – ▽»	WS-CH-102-J-SB	1256 200
Pure white with marking «O – I» and «△ – ▽»	WS-CH-102-LJ-RW	1257 153
Black with marking «O – I» and «△ – ▽»	WS-CH-102-LJ-SW	1257 150
Silver with marking «O – I» and «△ – ▽»	WS-CH-102-LJ-SB	1257 200

Wall mounted transmitter 4-channels design VERSO



The **Omnio wall mounted transmitter 4-channels WS-VE-110** is a battery-less and maintenance-free transmitter including a single and double rockers with centre position. The shiny white surface and the compact construction emphasises the classy design. Its white and perfectly even reverse side is coated with a transparent enduring adhesive foil and therefore is predestined to be placed on transparent surfaces like Glass and with no doubt will look its best on either side. This transmitter is optionally available without adhesive foil.

Wall mounted transmitter 4-channels design VERSO	Type	Art.-No.
White without marking	WS-VE-110-WS	1310 153

Wall mounted transmitter 1-channel wet



The **Omnio wall mounted transmitter 1-channel wet WS-NASS-103-RW** is a battery-less and maintenance-free transmitter including a push-button fitted in a cover of the switch and socket line “robusto” of Hager. It is designed for the wet and outdoor area and can be installed with screws. The labeling can be designed individually by using exchangeable paper inlays. A variety of different printed inlays (blank, doorbell symbol, light symbol) come with the delivery.

Wall mounted transmitter 1-channel wet	Type	Art.-No.
Pure white	WS-NASS-103-RW	1241 153

Single rockers



The **Omnio single rocker EW-M** for Swiss and German frame systems is an accessory matching the wall mounted transmitters type WS-CH and WSM. Surface dull finish.

Single rockers for Swiss and German frame systems, dull finish	Type	Art.-No.
Pure white without marking	EW-M-RW	1810 000
Black without marking	EW-M-SW	1810 001
Silver without marking	EW-M-SB	1810 002
Pure white with marking «O – I»	EW-M-L-RW	1810 043
Black with marking «O – I»	EW-M-L-SW	1810 048
Silver with marking «O – I»	EW-M-L-SB	1810 049
Pure white with marking «△ – ▽»	EW-M-J-RW	1810 045
Black with marking «△ – ▽»	EW-M-J-SW	1810 052
Silver with marking «△ – ▽»	EW-M-J-SB	1810 053
Pure white with marking «⌒»	EW-M-K-RW	2000 214
Black with marking «⌒»	EW-M-K-SW	2000 215
Pure white with marking «⌒/⌒»	EW-M-A-RW	2000 217
Black with marking «⌒/⌒»	EW-M-A-SW	2000 218
Pure white marked according to custom requirements	EW-M-X-RW	2000 205

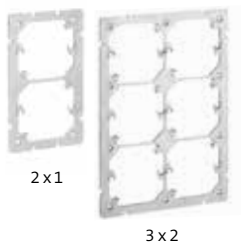
Double rockers



The **Omnio double rockers SW-M** for Swiss and German frame systems are an accessory matching the wall mounted transmitters type WS-CH and WSM. Surface dull finish, *delivered as a set (L/R)*.

Double rockers for Swiss and German frame systems, dull finish	Type	Art.-No.
Pure white without marking	SW-M-RW	1810 003
Black without marking	SW-M-SW	1810 004
Silver without marking	SW-M-SB	1810 005
Pure white with marking «O – I»	SW-M-LR-RW	1810 067
Black with marking «O – I»	SW-M-LR-SW	1810 050
Silver with marking «O – I»	SW-M-LR-SB	1810 051
Pure white with marking «△ – ▽»	SW-M-J-RW	1810 046
Black with marking «△ – ▽»	SW-M-J-SW	1810 054
Silver with marking «△ – ▽»	SW-M-J-SB	1810 055
Pure white marked according to custom requirements	SW-M-X-RW	2000 206

Mounting plates FOR SWISS FRAME SYSTEMS



Mounting plates made of aluminium in different combinations for all Omnio wall mounted radio transmitters. Radio transmitters as well as conventional devices such as power sockets, switches, etc. can be installed at any position.

Mounting plates	Type	Art.-No.
2 x 1	BP-2x1	1910 006
3 x 1	BP-3x1	1910 008
4 x 1	BP-4x1	1910 011
2 x 2	BP-2x2	1910 009
3 x 2	BP-3x2	1910 010
4 x 2	BP-4x2	1910 012
3 x 3	BP-3x3	1910 013

Double-sided adhesive pad WITH PERFORATION



Double-sided adhesive pad to easily fix the Omnio wall mounted transmitters on smooth surfaces (glass, metal etc.). *One double-sided adhesive pad already comes with the delivery of each Omnio wall mounted transmitter.*

Double-sided adhesive pad	Type	Art.-No.
Black 70x70 mm (set of 10 pcs)	DKM-70x70-SW	1900 099

Cover frames



Cover frame
EDIZIOdue 2 x 1

Cover frames in the EDIZIOdue design (a registered trademark of Feller AG). *One cover frame size 1 x 1 comes with the delivery of all wall mounted transmitters for Swiss frame systems.*

Cover frame EDIZIOdue	Type	Art.-No.
2 x 1 pure white	2912.FMI.61	39.30.0020
3 x 1 pure white	2913.FMI.61	1910 033
4 x 1 pure white	2914.FMI.61	1910 034
2 x 2 pure white	2912-2.FMI.61	1910 035

Handheld transmitter 4-channels



The **Omnio handheld transmitter R101 4-channels** is a universally applicable battery-less and maintenance-free wireless switch with four independent individual keys. Due to its highly ergonomic shape it rests comfortably in ones hand. The power comes from a small energy converter based on the induction principle.

Handheld transmitter 4-channels	Type	Art.-No.
Pure white	R101-RW	1281 153
Black	R101-SW	1281 150
Silver	R101-SB	1281 200

Key-Card-Switch 1-channel FOR SWISS FRAME SYSTEMS 58 MM



The **Omnio Key-Card-Switch KSM-CH 1-channel** is a self-powered and maintenance-free radio transmitter. It can be used as a main switch for lighting, heating and blinds in hotel-, school- and conference rooms as well as in offices. To fix with screws or adhesive pad. *Delivered including Feller EDIZIOdue cover frame and double-sided adhesive pad.*

Key-Card-Switch 1-channel for Swiss frame systems 58 mm	Type	Art.-No.
Pure white	KSM-CH-110-RW	1177 153
Black	KSM-CH-110-SW	1177 150
Silver	KSM-CH-110-SB	1177 200

Window contact 1-channel



The **Omnio window contact FK101 1-channel** is a battery-less and maintenance-free radio transmitter to monitor the condition of windows and doors. Typical application examples can be to turn off the heating while windows are open or to raise the blinds when sliding door opens. The window contact FK101 consists of a transmitter module driven by its own solar cell and a small counter magnet and can be fixed on window- and door frames made of wood, glass and aluminium.

Window contact 1-channel	Type	Art.-No.
Pure white	FK101-RW	2101 153
Spare magnet pure white	FK101-EM-RW	2101 090
Black	FK101-SW	2101 150
Spare magnet black	FK101-EM-SW	2101 091
Silver	FK101-SB	2101 200



The **Omnio window contact FK201 1-channel** offers the same features as the window contact FK101. If lighting conditions on site are insufficient, an additional back-up battery can be inserted. *Please note that the battery does not come with the delivery and needs to be ordered separately.*

Window contact 1-channel	Type	Art.-No.
Pure white	FK201-RW	2203 153
Black	FK201-SW	2203 150
Silver	FK201-SB	2203 200
Back-up battery for window contact	KZBA-CR1225	2000 039

Window handles



The **Omnio window handle FG201** is a battery less, maintenance-free and wireless transmitter to monitor the state of windows. It is able to detect the states "window opened", "window closed" and "window tilted". This handle has no lock and it can be mounted instead of the normal window handle.

Window handle without locking system	Type	Art.-No.
White	FG201-RW	1355 000
Aluminium	FG201-AN	1356 000
Aluminium steel	FG201-AS	1357 000



The **Omnio window handle FG211** offers the same features as the window handle FG201 but additionally contains a locking system.

Window handle with locking system	Type	Art.-No.
White	FG211-RW	1365 000
Aluminium	FG211-AN	1366 000
Aluminium steel	FG211-AS	1367 000

Window handle for lifting and sliding doors



The **Omnio window handle FG121** is a battery less, maintenance-free and wireless transmitter to monitor the state of sliding doors. It is able to detect the states "sliding door closed", "sliding door open" and "sliding door tilted". It can be mounted instead of the normal window handle.

Window handle for lifting and sliding doors	Type	Art.-No.
White	FG121-RW	1375 000
Aluminium steel	FG121-AS	1377 000

Room sensor for temperature and humidity WITHOUT CONTROLS



The **Omnio room sensor RTF100** is a battery-less and maintenance-free radio transmitter and is able to measure indoor room temperature and humidity. It measures temperature and humidity every 100 seconds and transmits the values – either periodical every 11 ... 24 minutes or by change of value – via EnOcean radio (EEP A5-04-03). The indoor sensor consists of a transmitter module driven by its own solar cell and can be fixed almost anywhere thanks to its small dimensions. If lighting conditions on site are insufficient, a coin cell battery can be retrofitted. *Please note that the battery does not come with the delivery and needs to be ordered separately.*

Room sensor for temperature and humidity without controls	Type	Art.-No.
Pure white	RTF100-RW	2176 153
Black	RTF100-SW	2176 150
Back-up battery for RTF100	KZBA-CR1225	2000 039

Room sensor for temperature and humidity WITHOUT CONTROLS FOR SWISS FRAME SYSTEMS 58 MM



The **Omnio room sensor RTF-CH-160** is a battery-less, maintenance-free and wireless sensor to measure temperature (0 ... 40 °C) and humidity (0 ... 100 %rH) indoors. The measured value is transmitted wireless to Omnio thermostat actuators and gateways. The RTF160 is characterised by its excellent long-term stability and thanks to the built in solar cell it is energy self-sufficient. If lighting conditions on site are insufficient an optional back-up battery is available. Please note that the battery does not come with the delivery and needs to be ordered separately. To fix with screws or adhesive pad. EnOcean Equipment Profile (EEP) A5-10-03 and A5-10-10. *Delivered including Feller EDIZIOdue cover frame and double-sided adhesive pad.*

Room sensor for temperature and humidity without controls	Type	Art.-No.
Pure white	RTF-CH-160-RW	2170 153
Black	RTF-CH-160-SW	2170 150
Silver	RTF-CH-160-SB	2170 200
Back-up battery for RTF160	KZBA-CR2032	2000 040

Room sensor for temperature and humidity WITH CONTROLS FOR SWISS FRAME SYSTEMS 58 MM



The **Omnio room sensor RTF-CH-161** is a battery-less, maintenance-free and wireless sensor to measure temperature (0 ... 40 °C) and humidity (0 ... 100 %rH) indoors. The temperature can be set with its operation elements (setpoint). It is able to transmit temperature, humidity and setpoint via radio to Omnio thermostat actuators and gateways. The RTF-CH-161 is characterised by its excellent long-term stability and thanks to the built in solar cell it is energy self-sufficient. If lighting conditions on site are insufficient an optional back-up battery is available. Please note that the battery does not come with the delivery and needs to be ordered separately. To fix with screws or adhesive pad. EnOcean Equipment Profile (EEP) A5-10-03 and A5-10-10. *Delivered including Feller EDIZIOdue cover frame and double-sided adhesive pad.*

Room sensor for temperature and humidity with controls	Type	Art.-No.
Pure white	RTF-CH-161-RW	2171 153
Black	RTF-CH-161-SW	2171 150
Silver	RTF-CH-161-SB	2171 200
Back-up battery for RTF161	KZBA-CR2032	2000 040

Occupancy sensor ceiling mounted



The **Omnio ceiling mounted occupancy sensor EMDC-DECKE SOLARPIR** is a battery-free and maintenance-free motion detector with a 360 degree viewing angle lens for maximum efficiency in different room settings. It uses a passive infrared sensor (PIR) to signal the movement of people and measures brightness with the aid of a light sensor. It communicates wirelessly via EnOcean radio standard with other devices (EEP A5-08-01). An integrated solar cell supplies the motion detector with power using the interior lighting, eliminating the need for cables and batteries. For dark installation environments, a button cell can optionally be used as a backup battery. *The battery is not included and must be ordered separately. Available from 3rd quarter 2019.*

Occupancy sensor ceiling mounted	Type	Art.-No.
White	EMDC-DECKE SOLARPIR	2153 153
Back-up battery for occupancy sensor	KZBA-CR2032	2000 040

Occupancy sensor wall mounted



The **Omnio wall mounted occupancy sensor EOSWA-W-WAND SOLARPIR** is a battery-less and maintenance-free PIR motion sensor with both wide angle and long range options for maximum efficiency and flexibility in different room settings. It communicates wirelessly with other devices using the EnOcean wireless standard (EEP A5-07-01). An integrated solar cell enables indoor light energy harvesting to power the device and eliminate the need for wires or batteries. In low light environments the device can be powered by an optional coin cell battery. Two molded buttons with LED indicator lights can be used to link and configure the device.

Occupancy sensor wall mounted	Type	Art.-No.
White	EOSWA-W-WAND SOLARPIR	2152 153

CO2-sensor



The **CO2-sensor CO2-RW** is a wired radio sensor to capture the concentration of carbon dioxide (400 ... 2550 ppm) in the air. The measured values are transmitted wireless to Omnio gateways. It is particularly used to control the air quality indoors in offices, schools, hotels and residential premises. EnOcean Equipment Profile (EEP) A5-09-04.

CO2-sensor	Type	Art.-No.
Pure white, supply voltage 230 V~	CO2-RW	2180 153

Water sensor



The **water sensor H2O-ECO** is a battery-less, maintenance-free and wireless sensor to detect water. A swelling device is attached on the lower side of the sensor. As soon as it comes in contact with water it starts soaking it up and sends a radio signal. One swelling process takes up to six minutes, after the sixth procedure it will take up to an hour. After ten swelling processes the sensor needs to be replaced. EnOcean Equipment Profile (EEP) F6-05-01, IP43.

Water sensor	Type	Art.-No.
White	H2O-ECO	2160 153

Weather sensor



The **weather sensor P04B-RS485** is a wired sensor to capture temperature (-40 ... +70 °C), wind speed (0 ... 35 m/s), brightness of east, south and west sun (0 ... 99 klx) and rainfall. In addition a twilight sensor is available. The weather data are submitted to the integrated RS485-interface once every second. Interacting with the Omnio weather evaluation unit XFJ blinds are under control and can be protected against storms. Suitable for surface mounting outdoors, IP44.

Weather sensor	Type	Art.-No.
White, supply voltage 24 V DC	P04B-RS485	2510 000

Flush-mounted multi switching actuator 1-channel



The **Omnio flush mounted multi switching actuator 1-channel UPS230/08** is a device for switching electrical loads. Its potential free output is able to be controlled by up to 50 Omnio radio transmitters. Each transmitter can be programmed with one of over twenty different functions, for example switch on, switch off, staircase light, sequential push-button, step-switch (AW20), timer (AW23/24/25), window and sliding door surveillance, programmable scenes and presence simulation. Bidirectional communication, EEP D2-01-01. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush-mounted multi switching actuator 1-channel	Type	Art.-No.
Change-over contact 10 A potential free, supply voltage 230 V~	UPS230/08	3108 000

Flush-mounted multi switching actuator 1-channel WITH EXTENSION INPUT



The **Omnio flush mounted multi switching actuator 1-channel UPS230/10** is a device for switching electrical loads. Its potential free output is able to be controlled by up to 50 Omnio radio transmitters. Each transmitter can be programmed with one of over twenty different functions, for example switch on, switch off, staircase light, sequential push-button, step-switch (AW20), timer (AW23/24/25), window and sliding door surveillance, programmable scenes and presence simulation. These functions can also be assigned to a conventional push-button or a switch connected to the extension input. Bidirectional communication, EEP D2-01-01. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush-mounted multi switching actuator 1-channel	Type	Art.-No.
Closing contact 8 A potential free, supply voltage 230 V~	UPS230/10	3110 000

Flush-mounted multi switching actuator 2-channels



The **Omnio flush mounted multi switching actuator 2-channel UPS230/12** is a device for switching electrical loads. Its two potential free outputs are able to be controlled by up to 50 Omnio radio transmitters. Each transmitter can be programmed with one of over twenty different functions, for example switch on, switch off, central on/off, staircase light, sequential push-button, step-switch (AW20), timer (AW23/24/25), window and sliding door surveillance, toilet fan function, programmable scenes and presence simulation. Bidirectional communication, EEP D2-01-11. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush-mounted multi switching actuator 2-channels	Type	Art.-No.
2 closing contacts 6 A potential free, supply voltage 230 V~	UPS230/12	3112 000

DIN rail mounted switching actuator 4-channels



The **Omnio DIN rail mounted switching actuator 4-channels REGS12/04M** is a device for switching electrical loads. Its four potential free outputs are able to be actuated from up to 50 Omnio radio transmitters. Each transmitter can be programmed with one out of twenty different functions such as switch, push-button, staircase lighting, step-switch (AW20), time controlled switch (AW23/24/25), toilet ventilation, window and sliding door control, different scenes and presence simulation. Bidirectional communication, EnOcean Equipment Profile (EEP) D2-01-13. ARCO ready (AWAG Remote Commissioning). Suitable as DIN rail mounted device in distributing cabinets. Width 4 TE.

DIN rail mounted switching actuator 4-channels	Type	Art.-No.
4 change-over contacts 6 A potential free, supply voltage 12 V DC	REGS12/04M	4202 000

DIN rail mounted switching actuator 8-channels



The **Omnio DIN rail mounted switching actuator 8-channels REGS12/08M** is a device for switching electrical loads. Its eight potential free outputs are able to be actuated from up to 50 Omnio radio transmitters. Each transmitter can be programmed with one out of twenty different functions such as switch, push-button, staircase lighting, step-switch (AW20), time controlled switch (AW23/24/25), toilet ventilation, window and sliding door control, different scenes and presence simulation. Bidirectional communication, EnOcean Equipment Profile (EEP) D2-01-14. ARCO ready (AWAG Remote Commissioning). Suitable as DIN rail mounted device in distributing cabinets. Width 4 TE.

DIN rail mounted switching actuator 8-channels	Type	Art.-No.
8 closing contacts 6 A potential free, supply voltage 12 V DC	REGS12/08M	4204 000

Multi cable switching atuator 1-channel



The **Omnio multi cable switching atuator 1-channel KS230/10-CH** is a device for switching electrical loads. Its 230 V \sim output is able to be controlled by up to 50 Omnio radio transmitters. Each transmitter can be programmed with one of over twenty different functions, for example switch on, switch off, staircase light, sequential push-button, step-switch (AW20), timer (AW23/24/25), window and sliding door surveillance, programmable scenes and presence simulation. Bidirectional communication, EEP D2-01-01. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable as plug adapter.

Multi cable switching atuator 1-channel	Type	Art.-No.
Closing contact 8 A 230 V \sim with Swiss plug connectors, supply voltage 230 V \sim	KS230/10-CH	3150 000

Switch-on impulse current limiter



Modern illuminants such as LED lamps may cause a high switch-on impulse because of their capacitive behaviour. These current peaks may conglutinate the relay contacts or even interfere with the circuit interrupter in bigger constructions. The **switch-on impulse current limiter EBN** prevents capacitive switch-on currents and guarantees a long term undisturbed system operation. Available as DIN rail mounted device (width 1 TE) or for flush mounted sockets.

Switch-on impulse current limiter	Typ	Art.-No.
Constant load 16 A, t = 70 ms, DIN rail device, supply voltage 230 V \sim	EBN 2	03.30.0010
Constant load 10 A, t = 15 ms, flush mounted, supply voltage 230 V \sim	EBN U2	03.30.0020

Flush-mounted multi universal dimmer 1-channel WITH EXTENSION INPUT



The **Omnio flush mounted multi universal dimmer 1-channel UPD230/10** with extension input is a device for dimming LED luminaires and other electrical loads. Thanks to automatic load recognition (R/L/C) the dimmer selects the right operating mode as well as the ideal dimming curve for the connected light source. Up to 50 Omnio radio transmitters can be programmed. Each transmitter can be assigned a function, for example dim with rocker, dim with push-button, staircase light, predefined dim value, step-switch (AW20), timer (AW23/24/25), soft on/off, programmable scenes or presence simulation. Non-dimmable loads are automatically switched at zero crossing. Conventional push-buttons connected to the extension input are permanently assigned the function dimming with push-button. Bidirectional communication, EEP D2-01-03, ARCO ready (AWAG Remote Commissioning). In addition this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush-mounted multi universal dimmer 1-channel	Type	Art.-No.
300 VA, automatic load detection RLC, supply voltage 230 V~	UPD230/10	3210 000

Multi universal cable dimmer 1-channel



The **Omnio multi universal cable dimmer 1-channel KD230/10** is a device for dimming LED luminaires and other electrical loads. Thanks to automatic load recognition (R/L/C) the dimmer selects the right operating mode as well as the ideal dimming curve for the connected light source. Up to 50 Omnio radio transmitters can be programmed. Each transmitter can be assigned a function, for example dim with rocker, dim with push-button, staircase light, predefined dim value, step-switch (AW20), timer (AW23/24/25), soft on/off, programmable scenes or presence simulation. Non-dimmable loads are automatically switched at zero crossing. Bidirectional communication, EEP D2-01-03, ARCO ready (AWAG Remote Commissioning). In addition this actuator can be used as repeater in case of range issues. Suitable as plug adapter.

Multi universal cable dimmer 1-channel	Type	Art.-No.
300 VA, automatic load detection RLC, with Swiss plug connectors, supply voltage 230 V~	KD230/10-CH	3152 000

DALI light controller



The **DALI LightController REG-LDALI-ME20x-U** is suitable for installation on 35 mm DIN installation rails in control cabinets. It offers presence, constant light, scenes, timer and many further functions. Communication between the LightController, the lights and the sensors is realised using the standardised DALI protocol. The complete configuration of the lighting system can be carried out using the LINX configurator software. It is possible to integrate up to 64 DALI ballasts and 16 multisensors.



Omnio wall transmitters can be programmed via the optionally available **EnOcean Gateway LENO-800**. The ME20x-U Light Controller is ideal for minimising installation costs and saving time during modernisation work. Installation width 9TE. Typical areas of application: Offices, hotels, shops, schools, hospitals and retirement homes.

DALI light controller	Type	Art.-No.
DALI LightController 1-channel, supply voltage 230 V~	REG-LDALI-ME201-U	5112 000
DALI LightController 4-channels, supply voltage 230 V~	REG-LDALI-ME204-U	5112 010
DALI supply voltage for 4-channel LightController	LDALI-PWR4-U	5119 003
EnOcean Gateway incl. external antenna	LENO-800	5116 000

DALI multi-sensor



The **DALI multi-sensor LDALI-MS2** is specifically designed for the LDALI LightController and completes the DALI Light Control System. It is able to register lighting conditions and movement and therefore saves energy and improves comfort. The multi-sensor is optimised in size. No external energy supply is required since the DALI-Bus provides everything the sensor needs. The multi-sensor is suitable for surface- and ceiling installation.

DALI multi-sensor	Type	Art.-No.
Pure white, powered via DALI-Bus	LDALI-MS2	5119 002

Flush-mounted multi blind actuator 1-channel



The **Omnio flush-mounted multi blind actuator 1-channel UPJ230/12** is a device to control 230 V~ tubular motors of blinds, sun blinds, awnings, sliding gates or garage doors. Its two potential free interlocked outputs are able to regulate one drive and can be actuated from up to 50 Omnio radio transmitters. This allows the exact positioning of the blinds and the slats. Further features are monitoring of window and sliding doors, automatic functions for temperature, wind and rain sensors and positioning functions including feedback to higher-level systems or visualisations. Bidirectional communication, EnOcean Equipment Profile (EEP) D2-05-00. Suitable for flush- or surface mounted sockets. ARCO ready (AWAG Remote Commissioning).

Flush-mounted multi blind actuator 1-channel	Type	Art.-No.
2 interlocked closing contacts 6 A potential free, 230 V~	UPJ230/12	3312 000

DIN rail mounted blind actuator 4-channels



The **Omnio DIN rail mounted blind actuator 4-channels REGJ12/04M** is a device to control 230 V~ tubular motors of blinds, sun blinds, awnings, sliding gates or garage doors. Its eight potential free interlocked outputs are able to regulate four drives and these can be actuated from up to 50 Omnio radio transmitters. This allows the exact positioning of the blinds and the slats. Further features are monitoring of window and sliding doors, automatic functions for temperature, wind and rain sensors and positioning functions including feedback to higher-level systems or visualisations. Bidirectional communication, EnOcean Equipment Profile (EEP) D2-05-01. ARCO ready (AWAG Remote Commissioning). Suitable as DIN rail mounted device in distributing cabinets, width 4 TE.

DIN rail mounted blind actuator 4-channels	Type	Art.-No.
8 closing contacts 6 A potential free, 12 V DC	REGJ12/04M	4402 000

Multi blind cable actuator 1-channel



The **Omnio multi blind cable actuator 1-channel KXJ230/12** is a device to control 230 V~ tubular motors of blinds, sun blinds, awnings, sliding gates or garage doors. Its two interlocked outputs are able to regulate one drive and can be actuated from up to 50 Omnio radio transmitters. This allows the exact positioning of the blinds and the slats. Further features are monitoring of window and sliding doors, automatic functions for temperature, wind and rain sensors and positioning functions including feedback to higher-level systems or visualisations. Bidirectional communication, EnOcean Equipment Profile (EEP) D2-05-00. In addition this actuator can be used as repeater in case of range issues. Encapsulated version, IP50, is suitable as plug adapter to be mounted in the blind box. With Hirschmann connectors 0.3 m STAK 3/STAS 3. The programming is carried out by radio transmission via ARCO technology (AWAG Remote Commissioning) and the E-Tool silver license.

Multi blind cable actuator 1-channel	Type	Art.-No.
2 interlocked closing contacts 6 A 230 V~, encapsulated, 230 V~	KXJ230/12	3156 000

Weather evaluation unit



The Omnio weather station consists of the weather sensor P04x-RS485 and the **Omnio weather evaluation unit XFJ**, which is connected through its integrated RS485-interface. The weather evaluation unit XFJ is able to convert the captured weather data into EnOcean telegrams. This way blinds can be pilot-controlled and protected against thunderstorms. The following individual signals are available: Channel 1: Weather raw data for higher-level systems according to EEP A5-13-01 ... 06. Channel 2: Alarm due to failure of the weather sensor. Channel 3: Day/night signal. Channel 4: Up-/down signal for blinds, coming from the weather sensor capturing wind, rain and sun conditions. The switching-threshold and time delay can be adjusted as required. Up to eight weather evaluation units can be connected to the weather sensor in order to cover different zones within a building. Bidirectional communication, EnOcean Equipment Profile (EEP) A5-13-01 ... 06. The programming is carried out through the E-Tool gold license via ARCO ready technology (AWAG Remote Commissioning). Suitable for surface mounting.

Weather evaluation unit	Type	Art.-No.
White, supply voltage 10-30 V DC	XFJ	2550 000

Flush-mounted multi thermostat actuator 1-channel WITH EXTENSION INPUT



The **Omnio flush-mounted multi thermostat actuator 1-channel UPH230/10** is a device to regulate control valves in floor heatings or similar electric loads through a two-point controller with hysteresis. Its potential free output is able to be controlled by an Omnio room sensor RTF and up to eight Omnio window contacts or –handles in AND-operation. The room sensor transmits temperature and setpoint to the thermostat actuator by radio. The desired room temperature can be set on the room sensor using the control buttons, but it can also be specified by a higher-level system. Various operating modes such as night setback can be selected via Omnio radio transmitters. If the temperature falls below 8 °C or if the room sensor is defective, the frost protection function is automatically activated. A conventional push-button at the extension input can be used to switch over to the second setpoint. Bidirectional communication, EEP D2-34-00. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush-mounted multi thermostat actuator 1-channel	Type	Art.-No.
With extension input, 1 closing contact 8 A potential free, supply voltage 230 V~	UPH230/10	3410 000

Flush-mounted multi thermostat actuator 2-channels



The **Omnio flush-mounted multi thermostat actuator 2-channels UPH230/12** is a device to regulate control valves in floor heatings or similar electric loads through a two-point controller with hysteresis. Each of its two potential free outputs are able to be controlled by an Omnio room sensor RTF and up to eight Omnio window contacts or –handles in AND-operation. The room sensor transmits temperature and setpoint to the thermostat actuator by radio. The desired room temperature can be set on the room sensor using the control buttons, but it can also be specified by a higher-level system. Various operating modes such as night setback can be selected via Omnio radio transmitters. If the temperature falls below 8 °C or if the room sensor is defective, the frost protection function is automatically activated. Bidirectional communication, EEP D2-34-01. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush-mounted multi thermostat actuator 2-channels	Type	Art.-No.
2 closing contacts 6 A potential free, supply voltage 230 V~	UPH230/12	3412 000

DIN rail mounted thermostat actuator 8-channels



The **Omnio DIN rail mounted thermostat actuator 8-channels REGH12/08M** is a device to regulate control valves in floor heatings or similar electric loads through a two-point controller with hysteresis. Each of its eight potential free outputs is able to be controlled by an Omnio room sensor RTF and up to eight Omnio window contacts or -handles in AND-operation. The room sensor transmits temperature and setpoint to the thermostat actuator by radio. The desired room temperature can be set on the room sensor using the control buttons, but it can also be specified by a higher-level system. Various operating modes such as night setback can be selected via Omnio radio transmitters. If the temperature falls below 8 °C or if the room sensor is defective, the frost protection function is automatically activated. Bidirectional communication, EEP D2-34-02. ARCO ready (AWAG Remote Commissioning). In addition, this actuator can be used as repeater in case of range issues. Suitable for DIN rail mounting, width 4 TE.

DIN rail mounted switching actuator 8-channels	Type	Art.-No.
8 closing contacts 6 A potential free, supply voltage 12 V DC	REGH12/08M	4206 000

Thermal actuator



The wired **thermal actuator TSA-230/01** is designed for heating-, cooling- and air ventilation systems. Thanks to its compact size it can be installed direct on the heating distributor. In this case the thermal actuator is controlled by the Omnio thermostat actuator (UPH or REGH), which receives the temperature values from the Omnio room sensor RTF. Length of the connecting cable: 1 m, degree of protection: IP54.

Thermal actuator	Type	Art.-No.
Connection M30x1.5, supply voltage 230 V~	TSA-230/01	3040 000

Flush mounted repeater



The **Omnia flush mounted repeater UPR230/03** is a device to enhance the radio telegrams between Omnia radio transmitters and sensors. This repeater is useful if the next actuator is out of reach. All received and valid telegrams will be enhanced and sent onward. Suitable for flush- or surface mounted sockets. Information: The repeater function is already integrated in each flush mounted multi-functional actuator. So these may additionally be used as repeater.

Flush mounted repeater	Type	Art.-No.
Supply voltage 230 V~	UPR230/03	9004 000

Flush mounted push-button interface 2-channels



The **Omnia flush mounted push-button interface 2-channels TST230/10** is a binary input device to integrate wired push-buttons, switches and sensors into the Omnia radio system. Two potential free closing contacts may be connected to its inputs. Depending on the chosen evaluation (rocker, push-button, time switch or weather station) the push-button interface transmits, repeats and additionally multiplies the matching radio telegram by actuating the closing contacts IN1 and IN2. Apart from that Omnia radio transmitters can be programmed and their radio telegram can be multiplied via split function. Bidirectional communication, EEP F6-02-01, ARCO ready (AWAG Remote Commissioning). In addition this actuator can be used as repeater in case of range issues. Suitable for flush mounted sockets.

Flush mounted push-button interface 2-channels	Type	Art.-No.
2 inputs potential free, supply voltage 230 V~	TST230/10	1510 000



The **Omnia flush mounted push-button interface 2-channels TST230/12** offers the same features as the Omnia flush mounted push-button interface TST230/10. Besides a potential free closing contact a non-isolated closing contact 230 V~ may be connected.

Flush mounted push-button interface 2-channels	Type	Art.-No.
1 input potential free, 1 input 230 V~ supply voltage 230 V~	TST230/12	1512 000

Power supply for DIN rail mounted actuators



The **switching power supplies** of the range REGS230 distinguishes itself through the high efficiency, a low standby power and its compact design. They are extremely reliable and have been specifically engineered for applications within houses, buildings and industrial automation.

Power supply for DIN rail mounted actuators	Type	Art.-No.
12 V / 1 A, width 1TE, supply voltage 230 V~	REGS230/00	4100 000
12 V / 2.5 A, width 3TE, supply voltage 230 V~	REGS230/01	4100 001

Gateways FOR RS232- AND RS485-INTERFACE



The **Omnio radio gateway APG03B** serves as bidirectional gateway between Omnio and computer systems with RS232 or RS485 interface. It receives and transmits all valid EnOcean radio telegrams. The used protocol is completely open, which easily allows the integration in personal systems. Configuration is carried out via ARCO technology (AWAG Remote Commissioning) with the E-Tool Freeware. Suitable for surface mounted installation.

Gateway bidirectional	Type	Art.-No.
RS232, supply voltage 10-30 V DC	APG03B-RS232	6042 000
RS485, supply voltage 10-30 V DC	APG03B-RS485	6011 000

Gateway KNX 32-channels



The **Omnio radio gateway APG01-KNX2** serves as bidirectional gateway between Omnio and the KNX bus. With this device, commands and measured values from EnOcean wireless sensors can be transmitted to the KNX bus, for example to control KNX actuators. EnOcean wireless actuators can also be controlled via KNX. The gateway supports the encrypted wireless communication with security-enabled EnOcean devices. The gateway supports more than 100 device profiles (EEP EnOcean Equipment Profile) within 32 channels, allowing the simple and secure connection of different EnOcean sensors and actuators to KNX installations. In addition, the gateway provides logic and control functions and includes a wireless repeater.

KNX Gateway bidirectional 32-channels	Type	Art.-No.
Power supply via KNX bus	APG01-KNX2	6006 000

Gateway USB



The **gateway SG-USB300** serves as bidirectional gateway between Omnio and computer systems with a USB interface. This gateway is equipped with the EnOcean radio module TCM 300.

USB Gateway bidirectional	Type	Art.-No.
Power supply via USB-Bus	SG-USB300	6044 000

Visualisation-PC INCLUDING SOFTWARE



The **Lahoco visualisation** is the ideal house control for Omnio projects in condominiums or single and multi-family houses. It can be used to control light, blinds and heating with any browser-enabled device such as a laptop, tablet or smartphone. The visualisation supports Philips Hue, Sonos, Google Assistant, 2N access controls and ensures secure remote access and different scenes. The pre-configured hardware consists of a Raspberry Pi with EnOcean module, power supply and Lahoco software license. The visualisation PC captivates by its small construction form of 10 cm x 7 cm x 3 cm and can be easily installed on the DIN rail in floor distributions. **Omnio actuators can be easily configured using Lahoco's visualisation without the need for an E-Tool or manual access to the device!**

Lahoco visualisation	Type	Art.-No.
Raspberry Pi, power supply, EnOcean gateway and SW-licence	VIS-LH-HWB02	6101 750
Configuration according to effort	VIS-LH-PAR01	6101 760

E-Tool planning software



With ARCO (AWAG Remote Commissioning) all Omnio actuators can be programmed via radio transmission without touching any actuator at all. The powerful software E-Tool is Omnio's backbone to plan, to program and to keep record of any project of any size at your own desk. The free **Omnio E-Tool planning software** is able to open up existing CSV-data and can be printed out as PDF-file. It serves as complete documentation for projects programmed through AWAG and to set gateways of the type APG03B.

The **Omnio E-Tool planning software silver license** however is capable of manually pointing out the parameterisation of all Omnio actuators. Additionally you can program cable blind actuators of the type KXJ.

Finally the **Omnio E-Tool planning software gold license** allows the complete configuration of all Omnio actuators via radio transmission.

The **Omnio E-Tool planning software demo license** is a 60 days limited gold license.

E-Tool	Type	Art.-No.
Free of charge project documentation, <i>available on www.omnio.ch</i>	SW-ETO-FREE	Freeware
Planning software including Omnio USB-Gateway silver license	SW-ETO-AG	6101 990
Planning software including Omnio USB-Gateway gold license	SW-ETO-AU	6101 991
Planning software including Omnio USB-Gateway demo license	SW-ETO-DEMO	6101 993
Parameterisation of Omnio actuator 1 data point incl. marking	PAR-001DP	6101 600



Actions speak louder
than words.



Hotel Prättschli, Arosa.

The 650 m² wellness and beauty area has been completely redesigned. It is equipped with a wellness pool, steam bath, sauna and a relaxation room with a view of the mountains, as well as a fitness studio with highly efficient equipment.

Lighting, shading and room heating are controlled via the Omnio radio bus system. The lighting is controlled in groups by Omnio wireless switches placed in the technical room, whereas a DALI controller in the background operates the light settings. The blinds can also be controlled in groups, while the individual heating areas are monitored by local room sensors.



Home for the elderly Singenberg, St. Gallen.

Most residents in the 28 apartments of the building extension FAGUS are couples of which only one is in need of care. They may require all assistance and care offered in the main building. Each apartment is equipped with Omnio controlling lighting, shading, heating of each room and an emergency button connected to the office of the main building.

The electrical consultant Christoph Lutz: *«We have tested Omnio in a sample room and are inspired by the concept. Our Entrepreneurial spirit has been paid-off and the high expectations of this system have been met. The best benefit is that all devices can be placed wherever the tenant wishes them to be.»*



Rainbow complex, Embrach.

This complex contains various single-family homes and row houses based on wooden construction. The owner has started using Omnio years ago. In this project he controls lighting, blinds and room temperature.

Jörg Bächli, the owner: *«The main reason to use Omnio products is the systems flexibility. Planning becomes so simple and cost savings should not be underestimated compared to conventional wiring. I'm very happy with the availability of the products and the services offered by AWAG.»*



Marché International headquarters, Kempththal.

Marchés headquarters was Switzerland's first zero-energy-building. To meet this standard, you should not lead anything through the outer walls - whether piping or wiring. In this building all blinds are controlled by Omnio. Either one singular blind at the workplace or all blinds on one floor and moreover the blinds of the complete building can be controlled by pressing one push-button.



The intelligent electric installation.

Development, production and sales

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