

... only for electronic professionals...

Radio bus system **RATIO®**

battery free – wireless – maintenance free

simply ingenious



omnioRATIO®

System overview

The sender

Battery free wall sender insert WS

For operating light, blinds, doors, etc. Suitable for the switch systems of:

Feller Edizio Due,
Berker S1, B1, B3, B7 Glas
Jung A500, Aplus
Gira Standard 55, E2, Event, Esprit
Merten M-Smart, M-Ar c, M-Plan

Simply mount nearly anywhere with screws or adhesive mat.



Battery free hand sender R101

For many applications switching light, blinds, the garage door, and many more.



Battery free windows contact FK101

Monitors the opening of windows and doors. There is no simpler way.



Battery free room temperature sensor RTF

Measures temperature and controls heating and shading.



The actuator (receiver)

Actuator 1-channel for flush mounting

For switching and dimming light, blinds, heating, doors, gates, etc.

The integrated functions are:

- Key sequences, one key operation
 - Power surge switch, time functions
- Actuators are available for switching, dimming, shading and heating.



Actuator 4/8-channel for distributor mounting

- Switch actuator 4-channel and 8-channel
- Blinds actuator 4-channel

The integrated functions are:

- Key sequences, one key operation
- Power surge switch, time functions

The devices can be interlinked which allows controlling over several floors.



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Application examples

Light and blinds switching:

The wall sender S1 switches and dims light by means of the flush dimming actuator A1. The wall sender S2 controls the blinds by means of the flush blinds actuator A2. The wall sender S3 serves as central control switch, the left rocker controls the light and the right rocker the blinds, e.g. for the whole house.

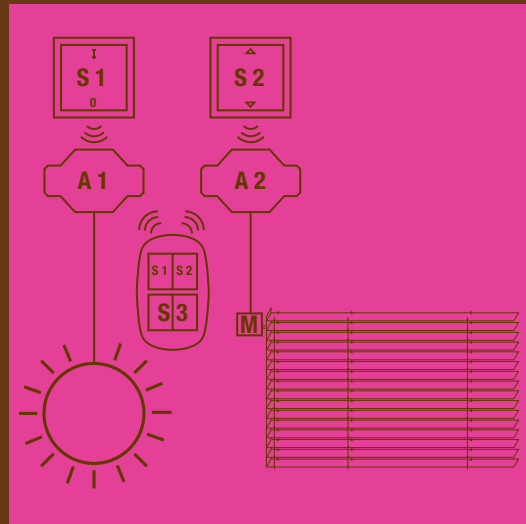
Wall senders can be mounted nearly anywhere and with one actuator up to 30 wall senders can be programmed.

If you wish to switch the lamp H1 from an additional location subsequently, you simply program an additional wall sender into the actuator A1 – and finished.

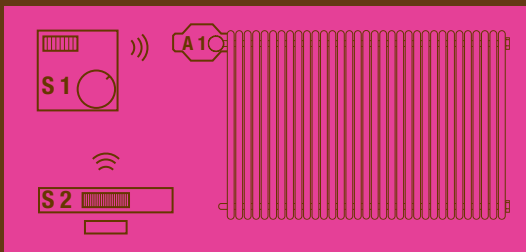
If you want to make sure that the light automatically switches off after 20 minutes, you re-parameterize the actuator A1 to the staircase functions – no additional staircase actuator is required.

Single room temperature regulation

The temperature sensor equipped with a solar cell measures temperatures. In case of a temperature change, it sends a telegram to the flush thermostatic actuator that regulates the electrothermic actuator by means of a 2-point controller. If the window is open, the windows contact stops the thermostatic actuator to avoid heating the environment. In addition, the windows contact can be used to monitor and signalize open/closed positions.



S1: Ratio®-wall sender WS-D-101
 S2: Ratio®-wall sender WS-D-101
 S3: Ratio®-hand sender R101
 A1: Ratio®-flush dimming actuator UPD230/01
 A2: Ratio®-flush blinds actuator UPJ230/01



S1: Ratio®-room temperature sensor RTF
 S2: Ratio®-windows contact FK101
 A1: Ratio®-flush thermostat actuator UPT230/01

these two examples show how the Ratio® radio bus system simplifies electronic installations and their additional functions without further costs and efforts. Benefit from these possibilities and their advantages!

Mounting examples

Flush Mounting

Mounting under a cap

Mounting in a distributor

Wall sender mounted on glass



The lashes are simply broken off.

Even steal cabinets are possible!



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The Ratio® radio bus system is an extremely innovative installation system. The senders are battery free, energy is generated at a keystroke by means of a dynamo generator or by transforming light by means of a solar cell. The senders are absolutely maintenance free and can be mounted nearly anywhere, be it on a wall, a beautiful piece of furniture or even on glass.

With Ratio® you realize applications in the area of

- Lighting control
- Blinds control
- Control of doors and gates
- Regulation of room temperature
- and many more

The application areas of Ratio® are diverse, in new developments and reconstruction of

- apartments / single family homes
- commercial buildings / stores
- Office buildings / kindergartens / schools
- Landmarked buildings

Your advantages

- ✓ Less hard work, less dirt
Let's be honest, there is more interesting work...
- ✓ Efficient installations
Rather spend your time enjoying yourself...
- ✓ We distinguish ourselves from our competitors thanks to new solutions
Offer variants to conventional electronic installations and don't talk about money with your customers but about functions thanks to Ratio® - you will receive the commission...
- ✓ Secure transmission on 868,3 MHz
- ✓ Simple planning
- ✓ Simple programming, no PC required
- ✓ No training
- ✓ Less electro smog
- ✓ Freedom of design, e.g. switches made of glass

Believe us – your architect will be thrilled!

Conventional electronic installations for lighting, shading, heating and security have reached their limits. As soon as your requirements exceed basic installations using conventional technology, they become time consuming and costly.

The battery free Ratio® radio bus system simplifies electronic installations, allows many useful functions, increases the operating comfort and security, is environment-friendly and very efficient – for you!

Professional advice guaranteed...

Our commercial agents offer you full service, by telephone or onsite.

Support – of course...

We support you and solve problems together.

Prompt delivery...

Off works short-term in Switzerland or Germany.

Beginners package

Test our system with our special package. It contains a 2-channel-wall sender including frame and a flush switch, dimming or blinds actuator.

Order under www.omnio.ch/shop



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