SilentGliss

867 MHz
868 MHz
915 MHz

CE 0682

(EN) **Operating instructions (translation)**

Contents

Safety instructions

	The instructions must be observed in order to ensure the product can be operated smoothly and safely and its properties can be fully realised.

- The operator/user must have completely read and understood the instructions.
- The operator must ensure that the instructions are available to the user in a legible form.
- The operator must ensure that all safety measures are observed and complied with.
- The following safety and assembly instructions apply to the device and not to the accessories and drive.

	CAUTION! **Failure to observe these can cause physical injury!** → Observe all safety instructions.

- Never install or take into operation devices which are damaged.
- Only use unmodified and compatible original parts.
- If the device is opened without permission or used in an improper manner, or if it is incorrectly installed or operated, there is a risk of injury to persons and damage to property.
- The device contains small parts which can be swallowed.

Transport

- Should you receive the device in a damaged condition despite proper packaging, you must not put it into operation. Complain about any damage to the transport company immediately.

Installation

- Observe the regulations during installation.

Operation

- Use only in dry rooms.
- If one or more transmitters are used for controlling the system, its operating range must stay visible during operation.
- Keep control systems out of the reach of children and the disabled.
- Dispose of used batteries properly.

Safety instructions for radio operation

⚠	**Observe all safety instructions for radio operation.**

Only use radio systems which are approved and can be operated without interference.

- Radio systems must not be operated in areas where there is an increased risk of interference (e.g. hospitals, airports).
- The remote control is only approved for devices and systems for which any malfunction of the transmitter or receiver would not result in a risk for persons, animals or property, or if such a risk is covered by other safety equipment.
- The operator has no protection whatsoever against interference by other telecommunication installations and local terminals (e.g. also from radio installations which are operated properly in the same frequency range).
- The range of the radio signal is limited by legislation and the structural conditions.

Intended use

The SG 10303 hand-held radio transmitter is a multi-channel transmitter. It can be used unidirectionally or bidirectionally. The hand-held transmitter must only be used for the control of Silent Gliss shading systems which are equipped with the

corresponding radio receivers. Other use, or use beyond this is not considered to be use for intended purpose.
The hand-held transmitter is referred to as "device" in this manual.

Exclusion of liability

Silent Gliss assumes no liability for personal injuries, property damage and financial losses which arise from use other than mentioned above, modifications to the device, improper use and failure to observe the operating instructions. Liability for material defects is excluded in such cases.

Scope of supply

Hand-held radio transmitter SG 10303 (batteries included in the device), wall bracket, 2 wall plugs, 2 screws.

Technical data

Name of device	Hand-held radio transmitter SG 10303
Operating voltage	3 V DC
Battery type	2 x LR06 (AA Mignon)
IP Code	IP 20
Temperature range	0 to +55 °C
Radio frequency	867/868 MHz frequency band
Dimensions in mm (hand-held transmitter)	L 150 x W 51 x H 26
Weight in grams (including batteries)	140

There are different regulations for the USA, Canada, Australia and some countries in South America.

Radio frequency	915 MHz frequency band

Mounting of wall bracket

- The wall bracket must be fixed so that the drill holes do not touch any electrical cables.
- Before installing the unit in the required position, check that the transmitter and receiver are functioning perfectly.
- Attach the bracket to the wall with the wall plugs and screws provided.

The top part of the wall bracket can be moved.
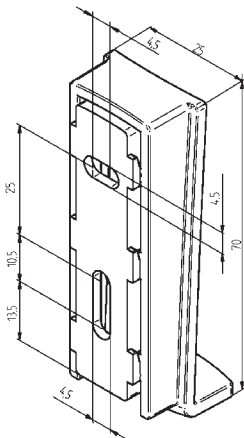
Device explanation

Front of device
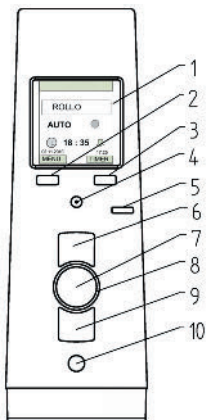
1 Display
2 Left menu button
3 Right menu button
4 Joystick
5 Operating mode indicator
6 **OPEN** button
7 **STOP** button
8 Status indicator
9 **CLOSE** button
10 Select button

Back of device

11 Learn button **P**

Explanation of functions

Bidirectional radio system

A bidirectional radio system transmits radio signals to a radio receiver and enables feedback from the radio receiver to the transmitter. The radio signal can be sent directly to the target receiver. If this is not possible then the radio signal is forwarded via other bidirectional participants until the signal reaches the target receiver. The target receiver carries out the command and sends a confirmation back to the transmitter.
Bidirectional radio operation is only possible if all participants are bidirectional. Otherwise, the system is only unidirectional.

Unidirectional radio system
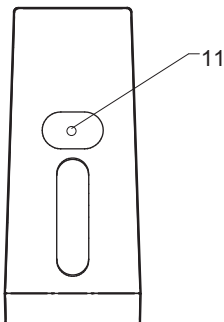
A unidirectional radio system transmits radio signals to radio receivers. However, in contrast to the bidirectional radio system, the radio receivers cannot send back a reply to the transmitter. The transmission of radio signals from radio receiver to radio receiver is also not possible.

Initial operation

Press a button to switch on the hand-held transmitter and illuminate the display, status display and operating mode display. The hand-held transmitter is in automatic mode during initial operation.

Note

Do not press the **P** button until the receivers are in programming mode. The active channel for a radio system is decided during the programming. If the receivers are not in programming mode, the channel of the sender changes to the unidirectional mode. In order to restore the starting condition, press the **STOP** and **P** buttons simultaneously for 6 seconds until the status display lights.

Select the required language by navigating the menu during initial operation.

Factory settings

Program	**Individual**	Off (Individual switching time every day)
	Open	07:00 / Sat + Sun 08:00
	Close	20:00
	Astro	On
	Lock time opening	06:30 / Sat + Sun 08:00
	Lock time closing	--:-- (off)
	Astro evening	Off
	Open	07:00/08:00 (as for "Individual")
	Lock time closing	--:-- (as for "Astro")
Settings	Holiday	Off
	Astro offset	Morning +0:00 min
		Evening +0:30 min
	Language	German
	Lighting (display)	On
	SU/WI time	On
	Program position ↓	End position (for switching command **CLOSE**)
	Program position ↑	End position (for switching command **OPEN**)
	Priority	Off (automatic switching commands not prioritised)
	Shading	Off (automatic shading system not deactivated with automatic timed switching command **CLOSE**)
	Product selection	Roller shutter

Menu structure

Date/Time			
Program	Channel selection	Individual	Individual switching times
		Astro	Astro mode switching times
		Astro evening	Astro mode closing
		Switching time off	All day switching times switched off in the channel
Administration	Channels		Channel-specific allocations
	Rooms		Room-specific allocations
	Groups		Group allocations
	Reset		Reset all allocations and names
Settings	Holiday		Holiday mode On/Off
	Astro	Select town	Town selection by geographic data with continental assignment for astro function
		Latitude/longitude	Freely selectable input of geographic data Latitude, longitude and UTC for astro function
		Astro offset	Shift astro time for opening and closing
	Language		Language selection
	Lighting		Display lighting On/Off
	Summer/winter time		Set summer/winter time changeover to automatic, manual or changeover disabled
	Channel settings	Product selection	Product-specific transmitter configuration for shades (not for groups and central channel)
		Intermediate position 1 (in secs)	Setting a travel time to intermediate position Default setting "- - : - -" for use of intermediate position 1 in the receiver (see page 22)
		Intermediate position 2 (in 0.1 seconds)	Setting a travel time to desired position. Default setting "- - : - -" for use of intermediate position 2 in the receiver (see page 22)
		Program – Position ↓	Setting travel on time switching command DOWN
		Program – Position ↑	*Setting travel on time switching command UP*
		Priority	Priority automatic commands On/Off
		Shading	Activate auto shading for clock On/Off
Function	Factory setting		Reset all settings to factory settings (without changing channel assignment)
	Version		Version details

Note

> If the hand-held transmitter is in the menu mode and the buttons are not pressed for longer than 30 seconds, the menu is automatically changed back to operating mode without saving the changes.

DATE/TIME menu

Setting the date and time. Using the automatic switching commands requires a current setting.

PROGRAM menu

Once you have selected the channel, you can set different switching times:

- Individual (each day can be selected)
- Astro (each day can be selected), set ON at the factory
- Astro evening (each day can be selected)

The selection of the switching or lock times assigned to days is performed using the activation of the days of the week using the joystick (open/close).

Switching time example:

Switching times channel 4
Mo Tu We Th Fr Sa Su
☑ ☑ ☑ ☑ ☐ ☑ ☑
⬆ **07:25**
⬇ **20:15**
Change   Back

All switching times can also be deactivated per channel for all days, display "–:–" for deactivated switching times.

Note

> It is not possible to select different switching times for specific channels for several unidirectional function channels (switching time applies to all unidirectional channels).

Individual

Automatic open and close movements at the set times and days.

Astro

Controls the open and close movement according to Astro function in accordance with the sunrise and sunset times. Programmable lock times prevent open and close movements occurring too soon.

A switching time adapted to the local conditions for the open and close movements can be achieved using input of the geographic data by selection of a town or inputting longitude and latitude. This can be supplemented with an individual Astro offset (see settings).

Astro evening

This controls the open movement according to the set switching time and the close movement according to the Astro function. The programmable lock time prevents close movement using the Astro function occurring too soon.

A switching time adapted to the local conditions for the close movements can be achieved by inputting the geographic data according to town selection or input of longitude and latitude and individual Astro offset (see settings).

Lock time

This prevents open or close movement using the Astro function occurring too soon. Changing lock times: "Program" menu, select channel, Astro evening (or Astro), select "Change", select days by moving joystick completely to the right, change lock times, save.

ADMINISTRATION menu

You can select channels, rooms and groups and set their names and assignments. Selecting the menu item "**Reset**" enables all the designations to be restored to the factory settings.

Channels

You can allocate a selected channel to a room or group (bidirectional channels only). You can change the designation individually for the selected channel. The channel's position in the list can be moved for the operating mode.

Rooms

Once you have designated individual rooms, you can allocate channels or groups to selected rooms and change the room designations. However, no functions can be assigned.

Groups

You can select two groups, allocate individual channels or rooms to them and change their group designation.

Note

Group allocation is only available if at least 2 bidirectional radio channels exist. Group allocation is not possible for unidirectional channels.

SETTINGS Menu

Adjusting the functions as required.

Global settings

Settings for holidays, Astro, language, lighting and Summer/Winter time apply to all channels.

Holiday

The holiday function simulates an occupied house while you are on holiday. If this function is active, all the programmed switching times are delayed by 0-30 minutes at random.

Astro

When the Astro menu is selected, the input of a town or the direct input of longitude and latitude with UTC and a defined Astro offset of the switching time are available for adapting the Astro switching times according to geographic data or individual requirements.

Town selection

It is possible to select a town using the geographic data. The towns are sorted by continent. The continents are selected by moving the joystick sideways; a town is selected by moving the joystick up or

down. The town of Kassel for Germany is set at the factory. See the "Towns for selection" chapter for selectable towns.

Longitude / latitude

The direct input of geographic data for the Astro function is possible using the "Longitude", "Latitude" and "UTC" input fields. When a town is selected, the geographic data of the selected town are displayed. If data are entered directly which are different from the town-related coordinates, the previous selection of the town is cancelled.

Astro offset

Individual or local adjustment of the Astro switching times with the option of offsetting the opening and/or closing time by up to a maximum of ± 120 minutes.

Language

You can select the language of the menu texts from a list:

- German
- English
- French
- Spanish
- Italian
- Portuguese
- Dutch
- Swedish
- Danish
- Polish

Lighting

Switching the display background lighting on and off.

This is switched off automatically if no button is pressed for 5 seconds. The lighting function is switched on at the factory.

Su/Wi Time

Su/Wi designates the automatic Summer/Winter time changeover. The automatic changeover is activated at the factory; the timer adjusts automatically.

In the menu, you can select between an automatic Summer / Winter time changeover in accordance with country-specific rules or a manual Summer time changeover for areas without defined rules for the Summer time. Automatic Summer time changeover is not

available in these areas. Both changeover types can be deactivated with resetting to the local standard time.

An activated Summer time is indicated in the function bar of the display with "DST" (daylight saving time).

Note

> If the automatic Summer time changeover cannot be selected, a possibly necessary manual Summer time setting must always be made using the "Su/Wi time" menu in order to prevent unwanted switching time offsets of the Astro function (closing and opening too soon).

Settings for specific channels

The following settings apply to each channel.

After a channel has been selected, a function specific to a product group can be assigned to it.

Select the **Shade** menu from the Product Selection menu of **Silent Gliss Systems**.

Any transmitted command activates the receiver immediately, which then switches off in the end position.

Program position

Once you have selected a channel, you can determine the way an automatic closing command is carried out (if the timed switching function for the channel is activated).

You can set a common program position for unidirectional channels.

End position	System moves to bottom end position
Intermediate position 1	System moves to intermediate position 1
Intermediate position 2	System moves to intermediate position 2

Close command switches off the automatic shading system (privacy protection). A time-controlled opening command switches on the

automatic shading system again. The shading setting must be set to "Automatic ON".

The shading setting is set to "Automatic OFF" at the factory.

The activated automatic shading system is indicated in the function bar of the display by an "**S**".

In unidirectional channels only a common setting is possible.

FUNCTION menu

Factory setting

Resets all settings except the receiver assignments linked to channels to the factory settings. All the initial operation steps must then be carried out.

During the initial commissioning, the following must be set using the automatic menu guidance: "Language setting" -> "Town selection" -> "Date/time".

Version

Indication of the current firmware version.

Programming the transmitter

Requirement

The receiver is installed. **Check whether the channel is deleted** or in the correct mode according to the status display.
Stand in front of the blind to be programmed for the programming.

1. With electrical receivers which have already been installed, switch the fuse off, and on again a few seconds later.
   The receiver is now in programming mode for about 5 minutes.
2. Press the programming button **P** on the back of the device briefly (approx. 1 second) until the status display lights for a short time.

The blind moves up and down for approx. two minutes, showing that the receiver is in programming mode.

3. Press the **OPEN** button as soon as the blind starts moving in Open direction (within 1 second at the most). The status display lights briefly.
The blind stops briefly, starts moving again, stops and then moves in the Close direction.

4. Immediately (within maximum 1 second) after starting close travel, press the **CLOSE** button. The status display lights briefly. The blind stops. The transmitter channel is programmed.

Note

If the blind does not stop, it must be programmed again.

A bidirectional programming process in the hand-held transmitter can be cancelled by pressing the **STOP** button for 6 seconds.

Programming additional transmitters

Note

If **several receivers** are connected to the **same feed line,** then all are simultaneously in programming mode for approx. 5 minutes after switching on the mains power.

If the **P** button on the transmitter is now pressed, all the receivers start programming mode at the same time (open/close movements). Randomly different intervals between open / close movements cause the receivers to become offset against one another. The longer programming is delayed, the greater the offset will be.

The short open/close movements can be stopped by pressing the **STOP** button briefly on a transmitter which has already been programmed. The programming mode in the receiver is interrupted.

The transmitter can now be assigned without having to disconnect individual receivers. If the blind moves in the wrong direction, delete the transmitter and program it again.

($\rightarrow$ see Deletion of transmitter)

For programming additional transmitters to one receiver:

1. Press the **OPEN**, **CLOSE** buttons and the programming button **P** (back of device) simultaneously (for 3 seconds) on a transmitter which has already been programmed to the receiver. The status display lights briefly. The receiver is now in programming mode.

2. Press the programming button **P** on the transmitter to be programmed until the status display lights briefly. The receiver is now in programming mode (up/close movements).

3. Press the **OPEN** button as soon as the blind starts moving in Open direction (within 1 second at the most). The status display lights briefly. The blind stops briefly, starts moving again and then moves downwards.

4. Immediately (within maximum 1 second) after starting close travel, press the **CLOSE** button. The status display lights briefly. The blind stops. The transmitter channel is programmed.

If more than 10 bidirectional receivers are being programmed at the same time, the transmitter channel in programming mode switches to group mode. The group mode is indicated by fast flashing with pauses.

Programming in group mode is completed after a 2-minute pause or pressing the **STOP** button for 6 seconds.

5. Press the **CLOSE** button and the programming button **P** (back of device) simultaneously. The status display flashes. The receivers are now in programming mode.

6. For bidirectional operation only: press the programming button **P** on the transmitter to be programmed until the status display lights briefly. The receivers are now in programming mode (open/close movements).

7. Press the **OPEN** button as soon as the blind starts moving in open direction (within 1 second at the most). The status display

lights briefly. The blinds stop briefly, start moving again, stop and then move downwards.

8. Immediately (within maximum 1 second) after starting close travel, press the **CLOSE** button. The status display lights briefly. The blinds stop moving. The transmitter channel is programmed.

Stopping programming mode (bidirectional) in the transmitter

Press the **STOP** button for at least 6 seconds until the status display lights orange.

Approaching end positions

Requirement

The transmitter/transmitter channel is programmed. The end positions of the drive have been set.

Approaching "Closed" end position

Press the **CLOSE** button briefly. The blind closes completely.

Approaching "Open" end position

Press the **OPEN** button briefly. The blind opens.

Programming the intermediate position 1 in the receiver

Requirement

The transmitter/transmitter channel is programmed. The end positions of the drive have been set. The blind is in the open end position.

Option: Press and hold the **STOP** and then also the **CLOSE** buttons for 3 seconds to change to the "20 series 867/868/915" slow travel mode. The drive remains in the slow travel mode until teaching in of intermediate position 1 is concluded.

1. Move the blind to the required position using the **CLOSE** button. In doing so, keep the **CLOSE** button pressed.
2. Also press the **STOP**- button. The blind stops. The status display lights briefly.
   The intermediate position 1 is programmed.

Programming the Intermediate position 2 in the receiver

Requirement

The transmitter/transmitter channel is programmed. The end positions of the drive have been set. The blind is at its "closed" end position.

Option: Press and hold the **STOP** and then also the **OPEN** buttons for 3 seconds to change to the "20 series 867/868/915" slow travel mode. The drive remains in the slow travel mode until teaching in of intermediate position 2 is concluded.

1. Move the blind to the required position using the **OPEN** button. Keep the **OPEN** button pressed during the movement.
2. Also press the **STOP** button. The blind stops. The status display lights briefly.
   The intermediate position 2 is programmed.

Approaching intermediate position 1

Requirement

The transmitter/transmitter channel is programmed. The blind is at its upper end position.

1. Press the **CLOSE** button twice briefly. The status display lights briefly.
2. The blind travels to the stored intermediate position. If no intermediate position has been programmed, the blind moves to the "closed" end position.

Approaching intermediate position 2

Requirement

The transmitter/transmitter channel is programmed. The blind is at its lower end position.

1. Press the **OPEN** button twice briefly. The status display lights briefly.
2. The blind moves to the stored intermediate position 2. If no intermediate position 2 has been programmed, the blind moves to the "Open" end position.

Deleting the intermediate position 1 in the receiver

1. Press both the **STOP** and **CLOSE** buttons.
2. Hold down this button combination for approx. 3 seconds. The status display lights briefly.

Deleting the intermediate position 2 in the receiver

1. Press both the **STOP** button and the **OPEN** button.
2. Hold down this button combination for approx. 3 seconds. The status display lights briefly.

Deleting the transmitter channel in the receiver

1. Press both the **STOP** button and the programming button **P** (on the back of the device).
2. Keep this button combination pressed for approx. 6 seconds until the status display lights orange briefly and then lights red. In unidirectional radio operation, the status display lights for 6 seconds: first green briefly twice and then red. The channel in the transmitter is also deleted.

Deleting all the transmitters in the receiver

1. Press the **STOP** button and also the programming button **P** (on the back of the device) + **OPEN** button + **CLOSE** button.
2. Hold down this button combination for approx. 6 seconds. The status display lights orange/green briefly twice, followed by red (bidirectional).

The channel in the transmitter is also deleted.
In unidirectional radio operation, the status display lights for 6 seconds: first green briefly twice and then red.
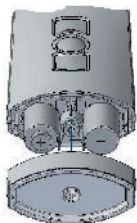
Battery replacement

Note

> Replace batteries only with batteries of the identical type.

1. Unscrew the underside of the device and open the housing.

2. Remove the batteries.

3. Insert the new batteries in the correct position.

4. Put the device back together again.

Dispose of used batteries properly.

Cleaning

Clean the device with a damp cloth. Do not use a detergent. This may attack the plastic.

Disposal

After the end of its service life, dispose of the device in accordance with the applicable regulations.

Towns for the selection

EUROPE

Town	Country		Town	Country
Trondheim	Norway		Basel	Switzerland

Town	Country	Town	Country
Oslo	Norway	Zurich	Switzerland
Oestersund	Sweden	Bern	Switzerland
Stockholm	Sweden	Geneva	Switzerland
Helsinki	Finland	Budapest	Hungary
Moscow	Russia	Lille	France
Copenhagen	Denmark	Paris	France
Glasgow	Scotland	Brest	France
London	England	Lyon	France
Manchester	England	Toulouse	France
Amsterdam	Netherlands	Marseilles	France
Brussels	Belgium	Venice	Italy
Hamburg	Germany	Milan	Italy
Kassel	Germany	Florence	Italy
Berlin	Germany	Roma	Italy
Cologne	Germany	Naples	Italy
Dresden	Germany	Zagreb	Croatia
Frankfurt	Germany	Bucharest	Romania
Nuremberg	Germany	Istanbul	Turkey
Stuttgart	Germany	Athens	Greece
Munich	Germany	Corunna	Spain
Warsaw	Poland	Madrid	Spain
Krakow	Poland	Barcelona	Spain
Kiev	Ukraine	Malaga	Spain
Vienna	Austria	Las Palmas	Spain
Linz	Austria	Lisbon	Portugal

Town	Country
Innsbruck	Austria
Graz	Austria

Town	Country

NORTH AMERICA

Town	Country
Vancouver	Canada
Montreal	Canada
New York	USA
San Francisco	USA
Denver	USA

Town	Country
Atlanta	USA
San Diego	USA
Dallas	USA
Miami	USA
Mexico City	Mexico

SOUTH AMERICA

Town	Country
Medellin	Colombia
Lima	Peru
Santiago DC	Chile

Town	Country
Sao Paulo	Brazil
Buenos Aires	Argentina

AFRICA

Town	Country
Casablanca	Morocco
Tunis	Tunisia

Town	Country
Cairo	Egypt
Cape Town	South Africa

ASIA

Town	Country
Beijing	China

Town	Country
Singapore	Singapore

Town	Country
Shanghai	China
Hong Kong	China
Manila	Philippines

Town	Country
Mumbai	India
New Delhi	India
Tehran	Iran

AUSTRALIA / NEW ZEALAND

Town	Country
Perth	Australia
Sydney	Australia

Town	Country
Christchurch	New Zealand

Troubleshooting

Fault	Cause	Remedy
System does not run, status display does not light	1. Batteries are low 2. Batteries are incorrectly installed	1. Insert new batteries 2. Insert batteries correctly
System does not run, status display lights red or flashes orange Unidirectional: Status display lights green	1. The receiver is outside the sending range. 2. Receiver out of order or defective 3. Receiver not yet programmed	1. Reduce distance to the receiver 2. Switch on or exchange receiver 3. Program receiver
System operates in the wrong direction	Directions are incorrectly allocated	Delete transmitter and reprogram
Required system does not run	Incorrect group or channel selected	Select correct group or channel

Fault	Cause	Remedy
End positions are approached inaccurately	End positions not yet set	Have the end positions set by a specialist in accordance with the product instructions
The hand-held transmitter does not carry out the set switching commands	1. The date and time are not set 2. "MANUAL" operating mode is set 3. The timed switching functions for specific channels are not activated	1. Setting the date and time 2. Set "AUTO" operating mode 3. Activate the timed switching function for the channel
The hand-held transmitter does not carry out the set switching commands accurately	Holiday function is switched on	Switch holiday function off
The Astro program switches inaccurately	1. Date set incorrectly 2. Holiday function is switched on 3. Astro offset is set	1. Set correct date 2. Switch holiday function off 3. Adjust Astro offset
There is no timed switching function for automatic switching commands after the batteries have been replaced	Power supply interrupted for too long	Setting the date and time

Repair

Please contact your dealer if you have any questions.

Please always provide the following information:

• Item number and name on the type plate

- Type of fault
- Previously occurring unusual events
- Accompanying conditions
- Own presumption

EC Declaration of conformity

We hereby declare that the following mentioned product/s meet/s the standards of the European Community.

Product name: **Silent Gliss handheld radio transmitter**

- Handheld radio transmitter SG 10300 (-867 / -868 / -915)
- Handheld radio transmitter SG 10301 (-867 / -868 / -915)
- Handheld radio transmitter SG 10302 (-867 / -868 / -915)
- Handheld radio transmitter SG 10303 (-867 / -868 / -915)

Description: Handheld radio transmitter for bidirectional and unidirectional communication between transmitter and receiver for controlling interior shading

The conformity of the indicated product(s) with the most important safety requirements is verified by the conformation to the following guidelines and standards:

- EMC Directive 2004/108/EC
  EN 61000-6-2:2005, EN 61000-6-3:2001
  EN 60730-1:2000, EN 60730-2-7:1991
- R&TTE-Directives 1999/5/EC
  ETSI EN 301 489-3 V1.4.1
  ETSI EN 300 220-2 V2.1.2
- RoHS Directive 2002/95/EC

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