Radio hand-held transmitter SG 10303
Funkhandsender SG 10303
Telecommande radio SG 10303
Transmettitore radio SG 10303

868 MHz

CE **0682**

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

181220xxx/0510 V0b DE/GB

Contents

Safety instructions

NOTICE!

The operating 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 operating instructions.
- The operator must ensure that the operating instructions are made available to the user in a legible form.
- The operator must ensure that the basic safety measures are observed and fulfilled.
- 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 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 damage to persons and 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 the 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

CAUTION!

Observe all safety instructions for radio operation!
Only use radio systems which are approved and can be operated without interference.

- The radio systems must not be operated in areas where there is a heightened 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 from interferences by other telecommunication installations and local terminals (e.g. also from radio installations), that are normally used on the same frequency range.
- The range of the radio signal is limited by the government and the structural conditions.

Intended use

The SG 10303 radio hand-held transmitter is a multi-channel transmitter. It can be used unidirectionally or bidirectionally. The hand-held transmitter may only be used for the control of Silent Gliss shading systems equipped with the corresponding radio receivers. Other use, or use beyond this is not considered to be use for intended purpose.

Exclusion of liability

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

Scope of supply

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

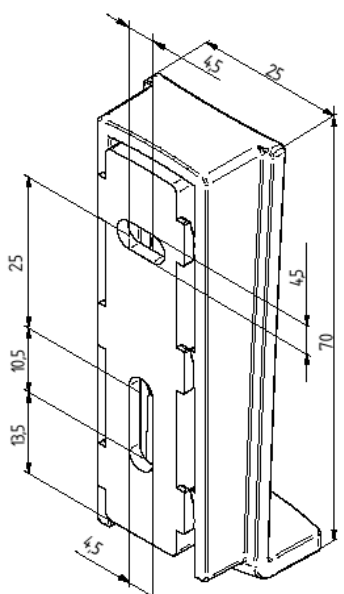
Technical data

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

Mounting of wall bracket

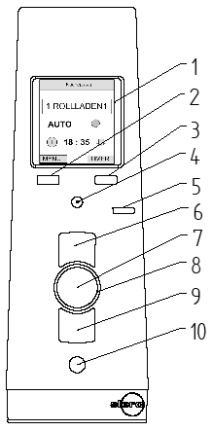
- The wall bracket must be fixed so that the drill holes do not touch any electrical cables.
- Before installing the unit in the required position, check that the transmitter and receiver are functioning perfectly.
- Attach the bracket to the wall with the wall plugs and screws provided.

The top part of the wall bracket can be moved.



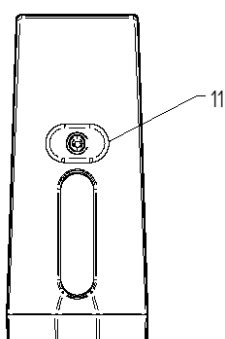
Device explanation

Front of device



1 Display
2 Left menu button
3 Right menu button
4 Joystick
5 Operating mode display
6 **OPEN** button
7 **STOP** button
8 Status display
9 **CLOSE button**
10 Selection button

Back of device



11 Programming 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.

Unidirectional radio system

A unidirectional radio system transmits radio signals to a radio receiver. However, the radio receiver cannot send back a reply to the transmitter, unlike in a bidirectional radio system. It is also not possible to pass on the radio signal from one radio receiver to another.

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

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

Factory settings

Program	**INDIVIDUAL**	Individual switching time every day
	Open	07:00 / Sat + Sun 08:00
	Close	20:00
	ASTRO	
	Lock time opening	6:30 / Sat + Sun 08:00
	Lock time closing	--:-- (off)
	Astro evening Open Lock time closing	Off 07:00/08:00 (as for “Individual”) --:-- (as for “Astro”)
Settings	Holiday	Off
	Astro offset	Mornings + 0:00 min.
		Evenings +0:30 min.
	Language	German
	Lighting (display)	On
	SU/WI time	On
	Program position	End position (for switching command **CLOSE**)
	Priority	Off (automatic switching commands not prioritised)
	Shading	Off (automatic shading system not deactivated with automatic timed switching command **CLOSE**)
Function	Product selection	Roller shutter

NOTE
Settings according to channels are only available if at least one channel has been programmed.

Notice: Confirming “Factory settings” in the menu FUNCTION restores all the internal settings of the hand-held transmitter to the factory settings (“Settings”, “Program”) except the setting for deleting the channel.

Status display

A radio signal is displayed by the illumination of the status display (LED ring around the STOP button). The status display can show different colours:

Orange	Transmitted signal is being sent (bidirectional radio operation)
Flashing orange	Channel without programmed receiver
Quick flashing orange	Transmitter channel in bidirectional programming mode
Green	Positive feedback to the transmitted signal from the receiver (bidirectional radio operation)
Green	Unidirectional radio operation: Transmit signal is being sent
Red	No response from the bidirectional receiver / channel completely deleted

The transmitting power or the radio range will be reduced through the reduction in the performance of the battery. If the status display no longer lights up when you press a button, you must replace the batteries. (→ see Changing the batteries)

Group control unit

A group is understood to mean the control of several receivers at the same time. The selected group is controlled by a travel command.
You can program any number of receivers in each channel.
You can use all the radio channels to control several receivers. The central channel (channel selection “All” in display) controls all radio channels at the same time.

Joystick

Pressing the joystick briefly up and down enables you to select from 10 channels. The channels are indicated by channel number in the display.
An additional channel is reserved for the central command, to which all the individual channels are assigned automatically. You can select the central channel by moving the joystick briefly to the left.

If the hand-held transmitter has two or more bidirectional individual channels, you can configure and select two group control systems by moving the joystick briefly to the right. You can allocate the bidirectional channels to a group via the “Administration” menu.

Selection button

Pressing the selection button briefly allows you to query the current status (automatic/manual) of the programmed receiver (bidirectional receivers only) and the hand-held transmitter.

Pressing the selection button for longer (approx. 1 second) switches off automatic mode in an individual channel. The operating mode display lights up red and changes to MANUAL mode in the display. → The receiver now carries out manual travel commands only and does not respond to automatic travel commands.

NOTE

In **unidirectional** channels only the automatic system for timed switching functions is switched off when these are in manual mode. This means the receiver does not respond to automatic timed switching commands. The automatic shading system stays switched on in unidirectional receivers.
In **bidirectional** channels all the automatic functions in the receivers are switched off in manual mode. This means the receiver does not respond to automatic timed switching commands and shading commands from programmed sensors.

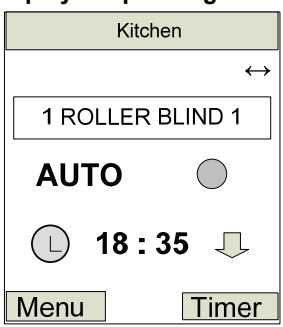
Pressing the selection button for longer (approx. 1 second at the most) switches on automatic mode in the relevant individual channel once again. The operating mode display lights up green and changes to AUTO mode in the display. → The receiver now executes automatic and manual travel commands.

Pressing the selection button in the central channel for longer (approx. 1 second at the most) changes the AUTO or MANUAL operating mode for **all the individual channels**. Switching all the channels to AUTO operating mode sets a different operating mode for individual channels (AUTO and MANUAL),as indicated by the orange operating mode display and the letters **A+M** in the display.

Operating mode

Each time you press a button, the following appear in the display: the **channel currently selected,** the current **operating mode** (AUTO or MANUAL) and the **symbol for the control status**. Activating a switching time function for a channel displays the type of switching time function and the next automatic switching time. Room allocation is also shown in the display if the channel is allocated to a room in the editing menu.
The display switches off after 2 minutes if no buttons were used.

Display in operating mode



Room allocation (optional)

↔ = bidirectional
→ = unidirectional

Channel no./ Designation

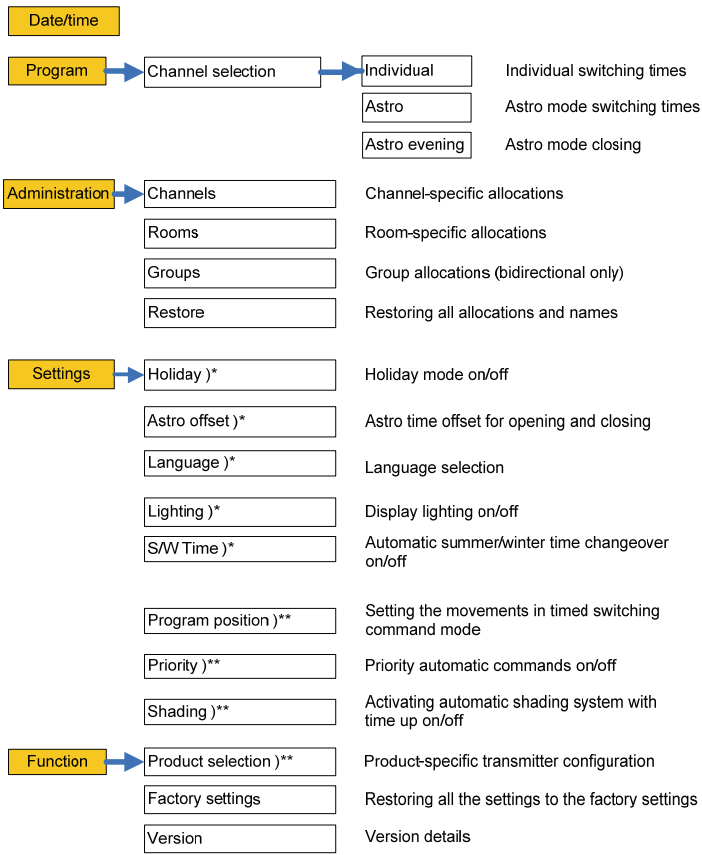
Operating mode/status symbol

Switching time type/next switching time

Pressing the menu button “**Timer**” can activate or deactivate the automatic timed switching function for the channel.

	Open		Stop status
	Close		Wind interlock
	Open end position		Timer function on
	Closed end position		Astro function on

Menu structure



)* = settings independant of channels)** = settings according to channels

Menu mode

Pressing the “**MENU**” button opens the menu mode for setting the time, date, switching times and function parameters.

You can make selections and changes in the menu using the left and right menu buttons and the joystick. The keyboard layout is specified in the text above the menu button.

Joystick functions

Movement down	Scrolls down or changes the value (-).
Movement up	Scrolls up or changes the value (+).
Movement to the left/right	Changes the setting ranges or activates the field.

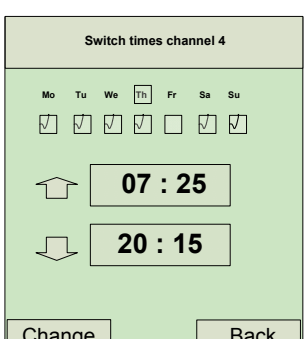
NOTE

If a hand-held transmitter is in menu mode and the buttons are not activated for more 30 seconds, the menu is automatically left in operating mode again.

DATE/TIME menu

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

Switching time example:



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)
- Astro evening (each day can be selected)

You can select the switching times allocated to a day by activating the weekdays for the relevant switching time with the joystick.

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 opening and closing at the set times and days.

Astro

Controls opening and closing according to Astro function and sunrise or sunset. Programmable lock times prevent opening and closing occurring too soon.
Individual switching times, adjusted to local conditions, for opening and closing can be achieved by setting an Astro offset (see settings).
The Astro time refers to Kassel (Germany).

Astro evening

This controls opening according to the set switching time and closing according to Astro function. A programmable lock time prevents closing in accordance with the Astro function occurring too soon.
An individual switching time, adjusted to local conditions, for closing can be achieved by setting an Astro offset (see settings).

Lock time

This prevents opening or closing in accordance with the Astro function occurring too soon.

ADMINISTRATION menu

You can select channels, rooms and groups and set their designations and allocations. 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. You can move the channel's position in the list 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.

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 radio transmissions.

SETTINGS Menu

Adjusting the functions as required. A scrollbar highlights the selected adjustment in the menu.

Global settings

Settings for holidays, Astro offset, 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 min. at random.

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 min.

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 you do not activate the buttons for 5 seconds. The lighting function is switched on at the factory.

Su/Wi Time

Su/Wi describes the automatic summer/winter time changeover. The function is switched on at the factory; the timer adjusts automatically.

Settings for specific channels

The following settings apply to each channel.

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 down to lower end position.
Interm. pos. 1	System moves to intermediate position 1
Interm. pos. 2	System moves to intermediate position 2

Priority

Once you have selected a channel, you can set an activated priority, which means that automatic switching commands from the hand-held transmitter are given priority in all receivers and accepted even the MANUAL operating mode of receivers. Automatic switching commands are prioritised in the factory settings.
In unidirectional channels only a common setting of the priority is possible.

Automatic shading system

A time controlled closing command switches off the automatic shading system. A time controlled opening command switches the automatic shading system on again, provided the shading setting is “Automatic on”.
The shading setting is set at “Automatic off” at the factory.
In unidirectional channels only a common setting is possible.

FUNCTION menu

Product selection

Once you have selected a channel, you can then allocate a function specific to a product group to it.

> The product type “Roller shutter” must be selected for the programming of Silent Gliss systems.

Factory setting

This restores all the hand-held transmitter settings. Only the receiver allocations are not deleted. All the initial operation steps must then be carried out.

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.

For programming, position yourself in front of the blind to be programmed.

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). The status display lights up briefly.
   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 up briefly.
   The blind stops briefly, starts moving again and then moves in Close direction.
4. Press the **CLOSE button** as soon as the blind starts closing (within 1 second at the most). The status display lights up briefly.
   The blind stops. The transmitter channel is programmed.

NOTE

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

Programming additional transmitters

NOTE

If **several receivers** are connected to the **same feed line**, then all are simultaneously in programming mode.
If the **P** button on the transmitter is pressed, all the receivers start programming mode at the same time (opening and closing movements). Randomly different intervals between opening and closing movements cause the receivers to become offset against one another. The longer programming is delayed, the greater the offset will be.
You can stop the short opening and closing movements by briefly pressing the **STOP** button on a transmitter which has already been programmed. The programming mode is interrupted.

You can now assign the transmitter without having to disconnect individual receivers. If the blind moves in the wrong direction, delete the transmitter and program it again.
(→ see Deleting transmitters)

For programming additional transmitters to one receiver:

5. Press the **OPEN**, **CLOSE** and the programming button **P** (back of device) simultaneously (for 3 sec.) on a transmitter, which has already been programmed to the receiver. The status display lights up briefly. The receiver is now in programming mode.
6. Press the programming button **P** on the transmitter to be programmed, until the status display lights up briefly. The receiver is now in programming mode (opening 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 up briefly.
   The blind stops briefly, starts moving again and then moves in Close direction.
8. Press the **CLOSE button** as soon as the blind starts closing (within 1 second at the most). The status display lights up 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. An intermittently flickering status display indicates group mode.
Programming in group mode is completed after a 2-minute pause or pressing the stop button for 6 seconds.

Approaching the limit positions

Requirement

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

Approaching the “closed” end position

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

Approaching the “open” end position

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

Programming the intermediate position 1 in the receiver

Requirement

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

1. Move the blind to the required position with the **CLOSE button**. Keep pressing the **CLOSE button**.
2. In addition press the **STOP** button. The blind will stop. The status display lights up briefly.
   The intermediate position 1 is programmed.

Programming the ventilation position (intermediate position 2) in the receiver

Requirement

The transmitter/transmitter channel has been programmed. The end positions of the drive have been set. The blind is in the “closed” end position.

1. Move the blind to the required position with the **OPEN** button. Keep pressing the **OPEN** button while it is moving.
2. In addition press the **STOP** button. The blind will stop. The status display lights up briefly.
   The intermediate position 2 is programmed.

Approaching intermediate position 1

Requirement

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

1. Press the **CLOSE button** briefly twice. The status display lights up briefly.
2. The blind travels to the stored intermediate position. In the case of venetian blinds, after reaching the intermediate position, the slats turn automatically. If no intermediate position is programmed, the blind drives to the “closed” end position.

Approaching intermediate position 2

Requirement

The transmitter/transmitter channel has been programmed. The blind is at its lowest end position.

1. Press the **OPEN** button briefly twice. The status display lights up briefly.
2. The blind travels to the stored intermediate position 2. If no intermediate position 2 has been programmed the blind travels to the “open” end position.

Deleting positions/deleting transmitters

Deleting the intermediate position 1 in the receiver

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

Deleting the ventilation position (intermediate position 2) from 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 up 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. Hold down this button combination for approx. 6 seconds until the status display lights up orange briefly and then red. In unidirectional radio operation the status display lights up 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

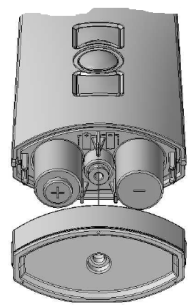
1. Press both the **STOP** button and the programming button **P** (on the back of the device) + the **OPEN** button + the **CLOSE button**.
2. Hold down this button combination for approx. 6 seconds.
   The status display lights up orange-green briefly twice, followed by red.
   The channel in the transmitter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

In unidirectional radio operation the status display lights up for 6 seconds: first green briefly twice and then red.

Changing the batteries

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

Dispose of the device in accordance with the applicable regulations.

Notes on troubleshooting

Fault	Cause	Remedy
System does not run; status display does not light up	1. Batteries are low 2. Batteries are incorrectly installed	1. Insert new batteries 2. Insert batteries correctly
System does not run; status display lights up red or flashes orange Unidirectional: Status display lights up green	1. The receiver is outside of sending range. 2. Receiver out of order or faulty 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
Desired system does not run	Wrong group selected	Select the right group
End positions are approached inaccurately	End positions not yet set	Have the end positions set by a trained 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

Notes on repair

Please contact your dealer if you have any queries.
Please provide the following information:

- Item number and name on the type plate
- Type of fault
- Accompanying conditions
- Previously occurring unusual events
- 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: SG 10303

Description: Radio hand-held transmitter for bidirectional communication between transmitters and receivers for the control of Silent Gliss interior shading systems.
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
- RoHS Directive 2002/95/EC
- R&TTE-Directives 1999/5/EC
- ETSI EN 301489-1/-3
- ETSI EN 300220-3

Gümligen 29/12/2009
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