

# TOUCH DIM RMC



The TOUCH DIM RMC radio remote control enables the wireless control of two TOUCH DIM RC radio receivers, each with two channels. Up to four connected luminaire groups, each with up to 15 electronic control gears featuring the TOUCH DIM® function, can be independently operated.

## Function

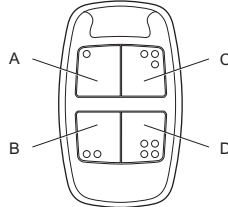
The TOUCH DIM RMC radio remote control sends radio signals to the radio receiver, which converts these and transmits them to the connected electronic control gears.

The radio remote control does not require batteries and is absolutely maintenance-free. The necessary transmission energy is generated by an integrated inductive energy converter when the pushbutton is pressed.

## Design

The radio remote control is made up of the following components:

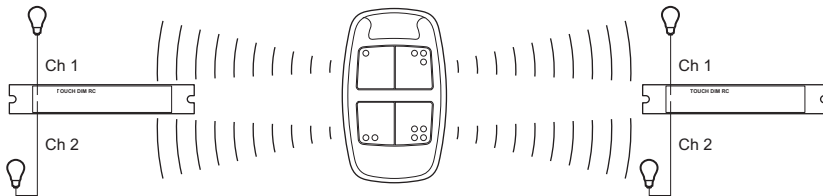
- Button 1: pushbutton for luminaire group (A) connected to Ch 1 of the first radio receiver
- Button 2: pushbutton for luminaire group (B) connected to Ch 2 of the first radio receiver
- Button 3: pushbutton for luminaire group (C) connected to Ch 1 of the second radio receiver
- Button 4: pushbutton for luminaire group (D) connected to Ch 2 of the second radio receiver



## Radio remote control Operating instructions

## Operation

## Functionality



The radio remote control can be used to operate two TOUCH DIM RC radio receivers (E).

The radio control system of each radio receiver consists of two channels (Ch 1 and Ch 2). The luminaire groups connected to outputs „Ch 1“ and „Ch 2“ of the radio receivers can be independently operated with the radio remote control:

First radio receiver:

- Luminaire group on channel 1: button 1
- Luminaire group on channel 2: button 2

Second radio receiver:

- Luminaire group on channel 1: button 3
- Luminaire group on channel 2: button 4

Basically, the transmitters can be used to operate all TOUCH DIM/TOUCH DIM sensor functions of OSRAM electronic control gear.

The radio remote controls must be trained in the radio receiver.

Note:

To train the radio remote controls, see the separate instructions of the TOUCH DIM RC radio receiver.

The radio transmission range between the radio remote control and radio receiver is influenced by the following factors:

- Construction materials
- Type and number of obstacles between the transmitter and receiver
- Sources of interference and signal reflections

## Switching on and off the luminaires

Via short press.

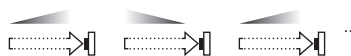
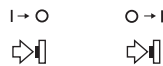
- Button 1: luminaire group on channel 1 of the first radio receiver
- Button 2: luminaire group on channel 2 of the first radio receiver
- Button 3: luminaire group on channel 1 of the second radio receiver
- Button 4: luminaire group on channel 2 of the second radio receiver

## Changing the brightness

Via long press.

- Button 1: luminaire group on channel 1 of the first radio receiver
- Button 2: luminaire group on channel 2 of the first radio receiver
- Button 3: luminaire group on channel 1 of the second radio receiver
- Button 4: luminaire group on channel 2 of the second radio receiver

Each repeated long key button press causes a toggle between increased brightness and decreased brightness.



## Operation (cont.)

## Troubleshooting

If you cannot remedy the fault, please contact the Customer Service department of the luminaire manufacturer.

### Luminaire does not function

No mains voltage present.

→ Use a voltage tester to test if mains voltage is present.

Illuminants are faulty.

→ Replace illuminant.

Luminaire was switched off via the wall-mounted or hand-held transmitter.

→ Switch on luminaire.

### Luminaire does not react as expected to the press of a button.

Hand-held transmitter has not been trained.

→ Train the hand-held transmitter.

Radio receiver is too far away from the hand-held transmitter.

→ Reduce the distance between the hand-held transmitter and the radio receiver.

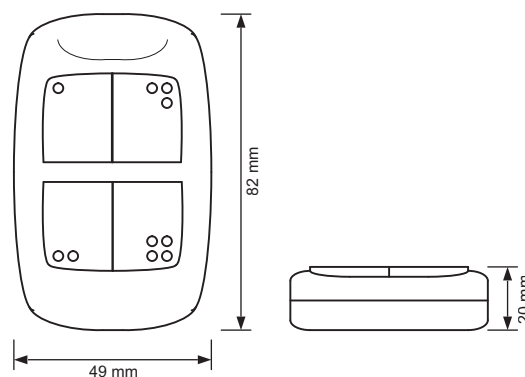
Button on the hand-held transmitter was pressed too long or too short.

→ See „Changing the brightness manually“.

## Appendix

## Technical data

Transmission power	10 mW
Operating temperature	-20 °C ... +50 °C
Frequency band	868.3 MHz
Switching cycles	> 50,000
Functional range	In the open air: Approx. 300 m Halls: Approx 100 m Passageways and corridors: Approx. 50 m Rooms with wooden or plasterboard walls: Approx. 30 m (max. 7 walls) Rooms with brick or autoclaved aerated concrete walls: Approx. 20 m (max. 3 walls) Rooms with reinforced concrete walls: Approx. 10 m (max. 1 wall)
Protection type	IP 20
Weight	Approx. 46 g
Dimensions (L x W x H)	82 x 49 x 20 mm



## Dimensioned drawing

IV 2009

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Conformity with the relevant EU directives is confirmed by the CE symbol.