

Operating instructions
Radio Remote Control
Touch DIM RMC

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General

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Application and function

The TOUCH DIM RMC handheld transmitter enables a wireless remote control of up to 4 luminaire groups equipped with OSRAM ECG with Touch DIM function. The Touch DIM RC module receives radio telegrams from radio transmitters and converts them into Touch DIM signals. The transmitters are based on induction technology and generate the necessary transmission energy directly when they are pressed. There is no need for any batteries and the components require no maintenance.

Safety and installation instructions



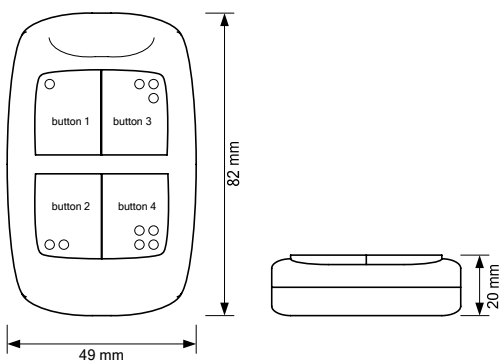
- The relevant safety and accident prevention regulations must be observed.

Using the equipment for any purpose other than its intended use may lead to damage or destruction.

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Installation

Design and dimensions



Start- up and operation

Learning the handheld transmitters

Touch DIM RMC unit provides four push buttons, operating as two pairs (button 1 + 2 and 3 + 4). Each pair corresponds with the two channels of a Touch DIM receiver. Thus two Touch DIM RC modules with two channels may be controlled individually by the RMC.

Before an ECG connected to a Touch DIM RC module can be controlled, the relevant radio transmitter has to be learned to the receiver.

Hold down the button marked "press to activate learn mode" on the receiver with a suitable tool (such as an insulated screwdriver) until the "Learn mode active" LED starts to flash. Alternatively, this learn mode can be activated by an external switch (make contact) connected to the "Learn" terminals.

Now press one of the buttons of a pair on the RMC unit that should be learned. On receipt of a radio telegram, the LED lights up for 4 seconds, then goes out for a further 4 seconds and then continues to flash to confirm that it has been successfully learned. While the LED is flashing further wall transmitters can be learned.

In each case, both channels belonging together (buttons 1 + 2 or 3 + 4) of a RMC are learned so that ECG connected to Ch1 and Ch2 (i.e. Group 1 and Group 2 of a receiver module) can be operated.

- ➔ button 1 controls Ch1, thereby button 2 automatically controls Ch2 of the first receiver
- ➔ button 3 controls Ch1, thereby button 4 automatically controls Ch2 of the second receiver

Therefore there is no need to learn the second transmitter channel of a pair separately.

The learn mode can be terminated by pressing the "press to activate learn mode" button again or with an external switch connected to the "Learn" terminals. The learn mode is automatically terminated if a wall transmitter has not been operated for 30 seconds.

Unlearning / cancelling transmitters

Radio transmitters that have already been learned can be easily "unlearned".

This is also done through the 'learn mode'. Hold down the button marked "press to activate learn mode" on the receiver with a suitable tool (such as an insulated screwdriver) until the "Learn mode active" LED starts to flash. Alternatively, this learn mode can be activated by an external switch (make contact) connected to the "Learn" terminals.

Now operate the RMC to be cancelled. When a radio telegram is received the LED goes out for 4 seconds and then continues to flash to confirm that the cancel process has been successfully completed. While the LED is flashing further wall transmitters can be cancelled.

In each case, both channels belonging together (buttons 1 + 2 or 3 + 4) of a RMC are unlearned. There is therefore no need to unlearn the second channel of a pair separately.

The learn mode can be terminated as described above.

Note:

The learning (and unlearning) mode is indicated by the lamps slowly fading u and down in rhythm with the flashing LED. During the learn mode the sensitivity of the receiver module is reduced so that neighbouring transmitters are not learned or unlearned by mistake. It may therefore be necessary to bring the radio transmitter closer to the receiver to ensure successful learning or unlearning.

Start- up and operation

Operation

Touch DIM RMC unit provides four push buttons, operating as two pairs (button 1 + 2 and 3 + 4). Each pair corresponds with the two channels of a Touch DIM receiver. Thus two Touch DIM RC modules with two channels may be controlled individually by the handheld RMC.

Therefore four luminaire groups (Group 1 connected to Ch1, Group 2 connected to Ch2 of the first Touch DIM RC module, Group 3 connected to Ch1, Group 4 connected to Ch2 of the second Touch DIM RC module) can be operated independently of each other.

Pressing briefly on one of the buttons on the handheld transmitter switches the luminaire group connected to the relevant channel on or off. Holding down the button will fade the lighting either up or down. The direction changes each time the button is pressed. If the lighting system is off and the button is held down the luminaires will come on at the minimum dimmer setting and start to fade up. A double click (= two subsequent short presses) stores the current dimming level as switch on value.

As an option, the luminaires connected to the receiver can be operated with external switches (make contacts) connected to terminals T1 or T2. The switch at T1 operates Ch1, and the switch at T2 operates Ch2.

Note:

All the Touch DIM/Touch DIM Sensor functions of the OSRAM control gear can be accessed. For further information please refer to the documentation for the particular products.

Annex

Troubleshooting

The luminaire is not working. Possible causes:

- There is no power.
Check the power connections.
- The lamps are faulty.
Replace them.
- The luminaire has been switched off by the transmitter.
Switch the luminaire on.

The luminaire is not reacting as expected to switch operations. Possible cause:

- The radio transmitter has not been learned.
Learn the transmitter as described in the Start-up section.
- The transmitter is too far away from the receiver module.
Reduce the distance between the transmitter and the receiver.
- The switch is being pressed too long.
Please note: Hold down the switch to change the brightness only until the luminaire reaches the brightness level you want. For all other functions, just briefly press the switch.

Annex

Notes on radio operation

The position of the remote control unit and the installation site for receivers, the structure of the building and the building materials all have a major impact on the transmission range. The type and number of obstacles between the transmitter and the receiver, sources of interference and signal reflections may reduce the ranges given below quite considerably. If you are in any doubt you should test the transmission range before installing the equipment.

The following transmission ranges are given as guide values:

- In the open air: approx. 300m
- Factories: approx. 100m
- Passageways and corridors: approx. 50m
- Rooms with wooden or plasterboard walls: approx. 30m, penetration of up to 7 walls
- Rooms with brick or breezeblock walls: approx. 20m, penetration of up to 3 walls
- Rooms with reinforced concrete walls: approx. 10m, penetration of one wall

Annex

Technical data

Protection type:	IP 20
Ambient temperature:	-20...+45 °C
Frequency band:	868,3 MHz
Transmitting power:	10 mW
Switching cycles:	> 50.000
Dimension:	49 mm x 82 mm x 20 mm
Weight:	approx. 45 g