

# Push-Pull Dimming: Hand-held Transmitter 2803C – Data Sheet

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## Hand-held transmitter 2803C

The **Transmitter 2803C** is a radio transmitter with a transmission range of up to 30 m. Together with a separate receiver module it can be used to dim two individual LED colours in an opposing manner (push-pull).

A typical application is the dimming of cool white and warm white LEDs. Dimming these LEDs in push-pull mode allows all colour temperatures of white light to be adjusted.

In addition, it can be used to switch the LED load on and off and dim its brightness.

The transmitter is battery-operated (CR2025). The battery has a life of approx. two years.

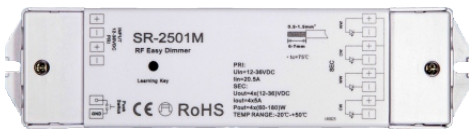
## Illustration and dimensions



### General data:

Transmission range	Up to 30 m
Supply voltage	3 V DC (button cell CR2025)
Battery life	Approx. 2 years
Control signal	Radio (434 MHz/868 MHz)

## Suitable receiver: 2501M



## Wall-mount holder included



**For a detailed description of the control keys please refer to the operating instruction.**

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# Push-Pull Dimming: Wall-mount Transmitter 2805RCCT – Data Sheet

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## Wand-mount transmitter 2805RCCT

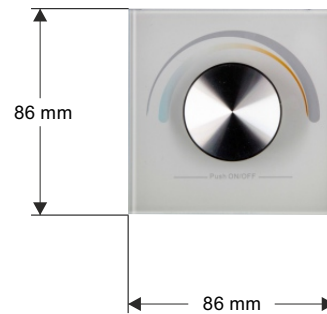
The **Transmitter 2805RCCT** is a radio transmitter designed for flush wall mounting. Together with a separate receiver module it can be used to dim two individual LED colours in an opposing manner (push-pull).

A typical application is the dimming of cool white and warm white LEDs. Dimming these LEDs in push-pull mode allows all colour temperatures of white light to be adjusted.

In addition, it can be used to switch the LED load on and off and dim its brightness.

The transmitter is battery-operated (CR2025). The battery has a life of approx. two years.

### Illustration and dimensions

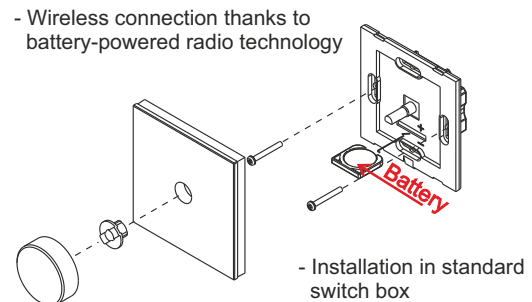


General data:	
Transmission range	Up to 30 m
Supply voltage	3 V DC (button cell CR2025)
Battery life	Approx. 2 years
Control signal	Radio (434 MHz/868 MHz)

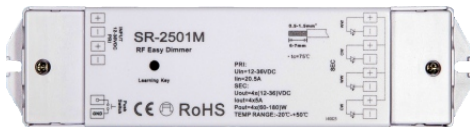
### Installation into an existing flush-mount box (shown here: circular dry lining box)



### Installation situation



### Suitable receiver: 2501M



**For a detailed description of the control keys please refer to the operating instruction.**

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# Push-Pull Dimming: Receiver 2501M – Data Sheet

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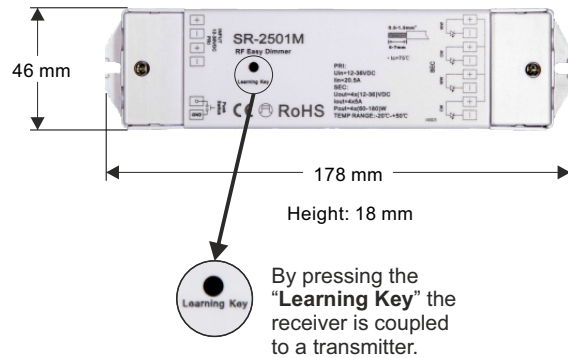
## Receiver 2501M

The **Receiver 2501M** is a device which can be used to dim two different LED light colours. The two colours are dimmed in push-pull mode, i.e. when one colour is dimmed down, the other is dimmed up.

A typical application is the dimming of cool white and warm white LEDs. Dimming these LEDs in push-pull mode allows all colour temperatures of white light to be adjusted.

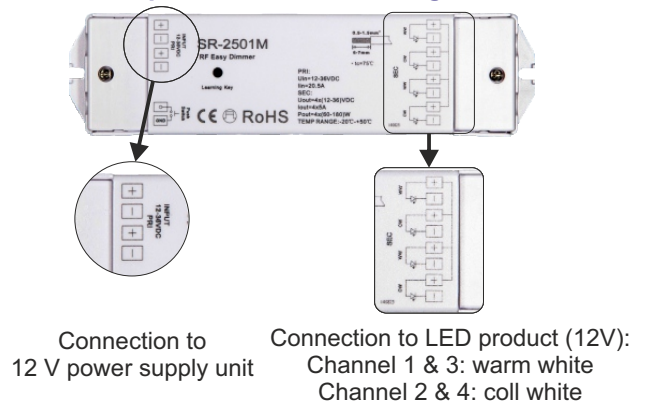
In addition, the receiver can be used to switch the LED load on and off and dim its brightness.

### Illustration and dimensions



General data:	
Type of connection	Parallel connection
Supply voltage	12 V DC
Control signal	Radio (434 MHz/868 MHz)
Number of channels	2 x 2
Max. LED current per channel	5 A
Max. LED power per channel	60 W
Dimming range	0.1% to 100%
Degree of protection	IP20
Ambient temperature range	-20 °C to +50 °C
Dimensions (L x W x H)	178 x 46 x 20 mm

### Description of the connecting terminals

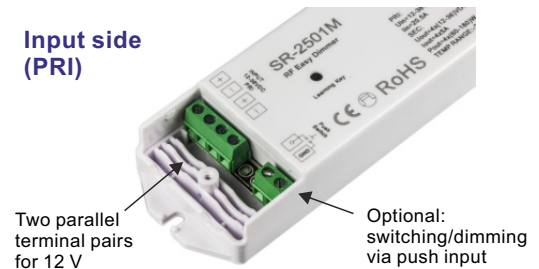


## Description

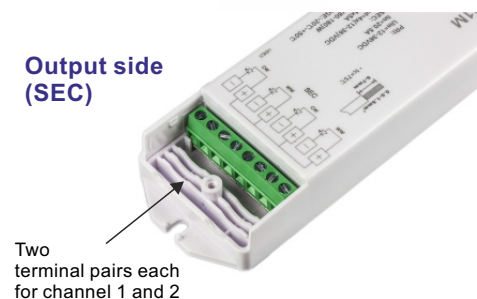
The receiver is the supply unit for the LEDs. The supply voltage (from the power supply) is connected to the input side, and the LED load is connected to the output.

The receiver receives its control signals from the respective transmitter. These signals are converted into a PWM signal, which is used to dim the LEDs.

### Input side (PRI)



### Output side (SEC)



**A detailed operating instruction is available on request.**

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