

Single-colour Dimming: Hand-held Transmitter 2801E – Data Sheet

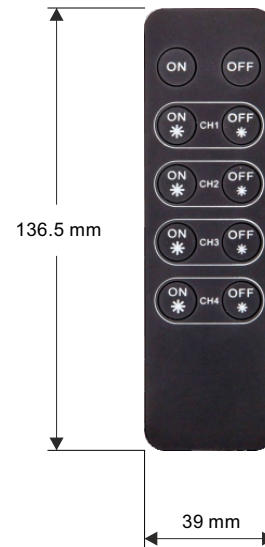
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Hand-held transmitter 2801E

The **Transmitter 2801E** is a radio transmitter module designed as a hand-held remote control unit. Together with a separate receiver module it is capable of dimming up to four individual LED colours. The transmitter module can be used to switch the LED load on and off and dim its brightness.

Up to four different channels can be controlled with one receiver module.

Illustration and dimensions



General data:

Transmission range	Up to 30 m
Supply voltage	3 V DC (button cell CR2025)
Control signal	Radio (434 MHz/868 MHz)
Battery life	Approx. 2 years
Dimming range	0.1% to 100%

Suitable receiver: 2501N



Wall-mount holder
included



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Single-colour dimming: Hand-held Transmitter 2801F – Data Sheet

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Hand-held transmitter 2801F

The **Transmitter 2801F** is a radio transmitter module designed as a hand-held remote control unit. It can be used to switch an LED load on and off and dim its brightness.

Up to four groups of 2501N receivers can be controlled. Each receiver can be switched and dimmed separately.

General data:	
Transmission range	Up to 30 m
Supply voltage	3 V DC (button cell CR2025)
Control signal	Radio (434 MHz/868 MHz)
Battery life	Approx. 2 years
Dimming range	0.1% to 100%

Suitable receiver: 2501N



Wall-mount holder
included



Illustration and dimensions



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Single-colour Dimming: Wall-mount Transmitter 2805R – Data Sheet

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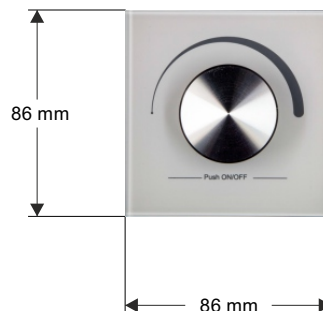
Wall-mount transmitter 2805R

The **Transmitter 2805R** is a radio transmitter module designed for flush wall mounting. The transmitter can be used to control one or more receivers to switch or dim LED loads.

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

General data:	
Transmission range	Up to 30 m
Supply voltage	3 V DC (button cell CR2025)
Control signal	Radio (434 MHz/868 MHz)
Battery life	Approx. 2 years
Dimming range	0.1% to 100%

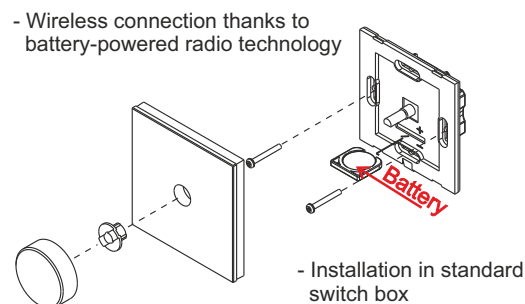
Illustration and dimensions



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



Installation situation



Suitable receiver: 2501N



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Single-colour Dimming: Pocket Transmitter 2807S – Data Sheet

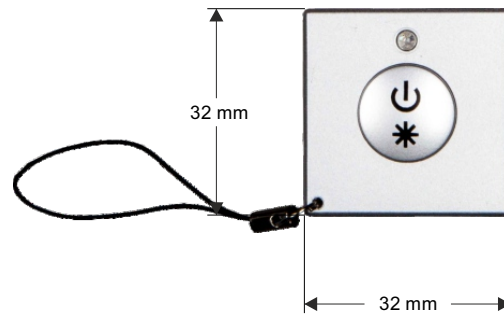
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Pocket transmitter 2807S

The **Transmitter 2807S** is a radio transmitter module designed as a pocket-size remote control unit. The transmitter controls one receiver (2501N).

The Transmitter 2807S can be used to switch an LED load on and off and dim its brightness.

Illustration and dimensions



General data:

Transmission range	Up to 30 m
Supply voltage	3 V DC (button cell CR2025)
Control signal	Radio (434 MHz/868 MHz)
Battery life	Approx. 2 years
Dimming range	0.1% to 100%

Suitable receiver: 2501N



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Single-colour Dimming: Receiver 2501N – Data Sheet

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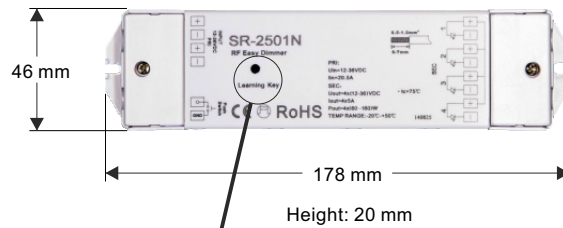
Receiver 2501N

The **Receiver 2501N** is a device which can be used to dim or switch on/off LED loads.

The receiver is controlled via a radio transmitter. The received signals are converted into a PWM signal, which is used to dim the LED loads connected to the receiver's output.

The receiver is powered by a 12 V DC power supply unit. The receiver itself supplies a PWM voltage of 12 V to four output channels.

Illustration and dimensions

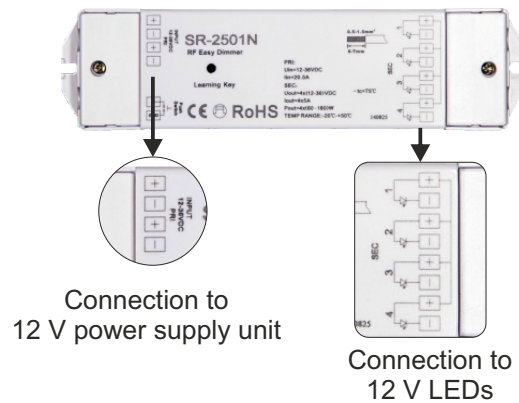


By pressing the "Learning Key" the receiver is coupled to a transmitter.

General data:

Type of connection	Parallel connection
Supply voltage	12 V DC
Control signal	Radio (434 MHz/868 MHz)
Number of channels	4
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

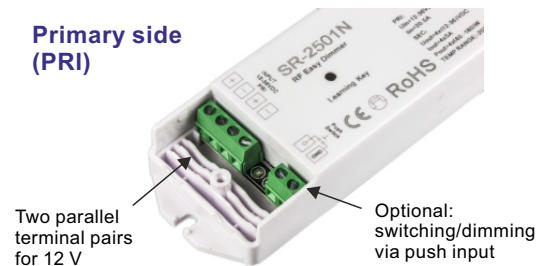


Description

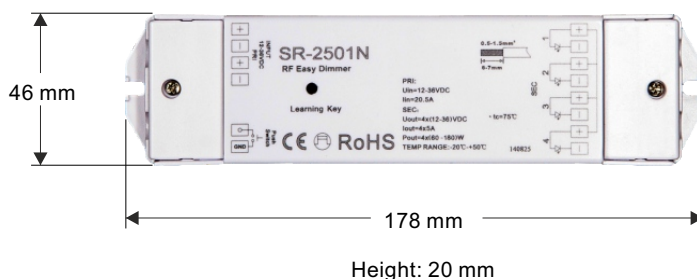
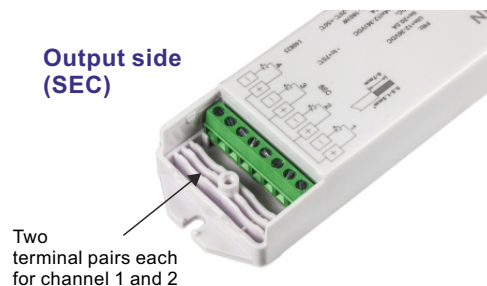
The receiver is the supply unit for the LEDs. The supply voltage (from the power supply) is connected to the input side, and the LED load is connected to the output.

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.

Primary side (PRI)



Output side (SEC)



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