



TRM691E



IP20

## 1 FLUSH MOUNTED DIMMER 200W 2 WIRES + 2 INPUTS KNX RF

### Technical properties

#### Architecture

Bus system KNX

#### Functions

ETS additional functions: +6 scenes, operating mode on/off, dimming value, priority, status display, brightness display

Function easy additional functions: +6 scenes ; reset function (to factory setting)

Light scenes scene opening via KNX radio appliances ; scene saving lockable

Quicklink functions quicklink functions: dimming, 2 scenes, time switching, NO contact push-button

Soft startup bulb-preserving soft startup

#### Configuration

Pre-assembled confectioned, with 4-core cable

Number of modules 0

#### Controls and indicators

Indicator lamp yes

Operation with manual operation on/off, brighter/darker

Control Activation, for example through switch, push-buttons, timer

Button / push-button with configuration and function button

#### Connectivity

Radio protocol KNX Radio

Receiver category 2

#### Main electrical features

Frequency 50 Hz

Rated current 850 mA

#### Voltage

Operating voltage 230 V AC

System supply voltage 230V AC

#### Fuse

Fuse short-circuit and overload proof (electronic fuse)

#### Frequency

Radio reception frequency 868.3 MHz

**Power**

Incandescent bulb power	10 / 200 W
Conventional transformers	10...175 VA
Power of the variator	200 W
Electronic transformers	10...175 VA
Radio transmission power	< 25 mW

**Endurance**

Transmitter duty cycle	1 %
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**Measurement**

Input scanning voltage	12 V
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**Reach distance**

Max. transmission range	30m in house / 100m free field
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**LED control**

Max number of LED/CFL lamps	8
Dimmable LED lamps	3...50 W
Dimmable 230 V retrofit LED lamps	3...50 W
Power LED	50 W

LED with configuration and function LEDs ; with control LED for On/Off

**Incandescent bulbs control**

230 V incandescent lamps and halogen lamps	10...200 W
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**Installation, mounting**

Installation mode	for installation behind flush-mounted inserts
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**Connection**

Connection cross-sect. flexible conductor	0,5 / 1,5mm <sup>2</sup>
Connection cross-sect. rigid cable	0,5 / 2,5mm <sup>2</sup>
Type of load	universal
Conductor cross-section	0.5...2.5 mm <sup>2</sup>
Conductor cross-section (flexible)	0.5...1.5 mm <sup>2</sup>
Conductor cross-section (rigid)	0.5...2.5 mm <sup>2</sup>
Number of contacts	1
Type of connection	with screw-in lift terminals
Bus connection	integration in the KNX radio/TP gateway, surface-mounted, into the KNX TP system
Type of connection	with screw

**Cable**

Binary cable length, extendable to	< 10 m
Binary cable length	≈ 20 cm

**Settings**

Programming	toolless quicklink configuration using buttons and LED display
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**Equipment**

Number of inputs	2
Number of radio channels	2
Type of dimmer	universal
Number of quicklink links	max. 20 transmitter/receiver
Bidirectional radio frequency	Yes
Transmitter duty cycle	0.1 %
Dimming principle	phase cut-on or cut-off according to load type, self-learning

**Use**

Pulse time	min. 50 ms
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**Use conditions**

Operating temperature	-15...45 °C
Storage/transport temperature	-25...70 °C
Energy-saving	low intrinsic energy requirement

**Identification**

Device family	TRM
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