



TRM690G



**IP20**

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

### Technical properties

#### Functions

ETS additional functions	ETS additional functions: +6 scenes, operating mode on/off, 1 up/down button control, push-button, 2 x alarm, status display
Function	reset function (to factory setting) ; easy additional functions: +6 scenes
Light scenes	scene saving lockable ; scene opening via KNX radio appliances
Quicklink functions	quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control

#### Configuration

Pre-assembled	confectioned, with 4-core cable
Number of modules	0

#### Controls and indicators

Indicator lamp	yes
Operation	with manual operation on/off
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
Inputs	with independent, mains supplied, binary input for potential-free contact

#### Voltage

System supply voltage	230V AC
-----------------------	---------

#### Electric current

Number of entry circuits	2
Input signal current	33 µA
Maximum through current	1 A
Withstand current in AC1 for the contact path or zone 1	0.85 A

#### Dimensions

Height of installed product	40 mm
Dimensions (LLxwwxhh)	40x40x18
Diameter	53 mm
Height	18 mm

## Frequency

Transmission frequency	868 MHz
Radio reception frequency	868.3 MHz

## Power

Total power loss under IN	1300 mW
Power dissipation per coil	320 mW
Output power	200 W
Conventional transformers	10...175 VA
Electronic transformers	10...175 VA
Radio transmission power	< 10 mW

## Measurement

Input scanning voltage	5 V
------------------------	-----

## Reach distance

Max. transmission range	30m in house / 100m free field
-------------------------	--------------------------------

## Materials

Colour independent of design lines	light grey
Surface appearance	matt

## LED control

Max number of LED/CFL lamps	10
Dimmable 230 V retrofit LED lamps	3...50 W
Power LED	50 W

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

## Incandescent bulbs control

Max. power with incandescent lamps	200 W
230 V incandescent lamps and halogen lamps	10...200 W

## Installation, mounting

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

## 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>
Conductor cross-section (flexible)	0.5...1.5 mm <sup>2</sup>
Conductor cross-section (rigid)	0.5...2.5 mm <sup>2</sup>
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	max. 5 m
Binary cable length	12 cm

## Settings

Subject to technical modifications

Supported configuration modes	easy, system, PB, quicklink
Programming	toolless quicklink configuration using buttons and LED display
<b>Scope of delivery</b>	
Bus connection included	No
<b>Equipment</b>	
Number of outputs	1
Number of radio channels	2
Number of quicklink links	max. 20 transmitter/receiver
Modular expandability	No
Transmitter duty cycle	1 %
<b>Use</b>	
Pulse time	min. 50 ms
<b>Use conditions</b>	
Operating temperature	-15...45 °C
Storage/transport temperature	-25...70 °C
Energy-saving	low intrinsic energy requirement
Relative humidity (without condensation)	0...65 % (without condensation)
<b>Identification</b>	
Application, usage	KNX radio - actuators
Product family	product family: output
Device family	TRM
Main design line	Electronics platform
<b>Instructions</b>	
Information text	Without neutral conductor connection.