FM RF output 200W 2 wires + 2 inputs

TRM690AU

Architecture

Bus system	Without

Functions

- compatible with primary 4gang socket outlets
- reset function (to factory setting)
- scene saving lockable
- scene opening via KNX radio appliances
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control

Configuration

- confectioned, with 4-core cable

Controls and indicators

Indicator lamp	yes

- with manual operation on/off
- Activation, for example through switch, push-buttons, timer
- with configuration and function button

Connectivity

Bus system radio frequent	yes
Bus system LON	no
Bus system Powernet	no
Radio protocol	KNX Radio
Receiver category	2

- with independent, mains supplied, binary input for potential-free contact

Main electrical features

Type of supply voltage	AC

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

Frequency

Transmission frequency	433 MHz
Radio reception frequency	433 MHz
Radio transmission/reception frequency	433,4 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
C-load	no

Measurement

Input scanning voltage	5 V
Relative humidity (without condensation)	0 65 % (without condensation)

Reach distance

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

Materials

Colour independent of design lines	light grey
Surface appearance	matt

Dimensions

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

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 / 1,5mm²
Connection cross-sect. rigid cable	0,5 / 2,5mm²
Type of contacts	semi-conductor
Type of connection	with screw
- with screw-in lift terminals - Not applicable	

Cable

Binary cable length, extendable to	max. 5 m
Binary cable length	~ 20 cm

Settings

Supported configuration modes	PB
- toolless quicklink configuration using buttons and LED display	

Scope of delivery

Bus connection included	no

Equipment

Number of outputs	1
Number of radio channels	2
Number of quicklink links	max. 20 transmitter/receiver
Modular expandability	no
Transmitter duty cycle	10 %
Different phases connectable	no
With slide for manual switch	yes

Use

Pulse time	min. 50 ms

Use conditions

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

Identification

Application, usage	KNX radio - actuators
Product family	product family: output
Device family	TRM
Main design line	Electronics platform

Instructions

Information text	Without neutral conductor connection.