



TRE521



**IP55**

## Motion detector radio, with battery, IP55, anthracite

### Technical properties

#### Architecture

Bus system	KNX
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#### Functions

Lockout time	10 s
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Mode of operation	μ-processor controlled mode of operation
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ETS additional functions	ETS additional functions: operating mode on/off, push-button, dimming value, brightness display, movement scene loading, no movement scene loading
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Function	easy additional functions: +6 scenes, on/off operating mode, scene call-up upon motion/no motion ; reset function (to factory setting)
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Quicklink functions	quicklink functions: time switching, NO contact push-button
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#### Controls and indicators

Operation	remote control via quicklink transmitter
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Button / push-button	with configuration button
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#### Connectivity

Number of binary inputs	1
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Radio protocol	KNX Radio
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Receiver category	2
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#### Dimensions

Recommended installation height	2.5 m
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#### Frequency

Radio transmission frequency	868.3 MHz
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#### Power

Radio transmission power	< 10 mW
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#### Measurement

Detection Method	Passive Infrared
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Detection field, semi-oval shaped	≈ 16 x 16 m
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#### Reach distance

Range, frontal	≈ 16 m
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Range, side	each ≈ 8 m
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#### Battery

Battery service life [years]	≈ 4
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**Cover, door**

Cover	with cover elements to limit the detection field
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**Detection**

Number of detection levels	2
Detection angle	220 °
Angle of vertical detection	100 °
Frontal detecting distance	16 m
Side detecting distance	10 m

**Materials**

Surface appearance	matt
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**Lighting control**

Response brightness, adjustable	≈ 5...1000 lx , daytime operation
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**LED control**

LED	with battery status indicator ; with configuration LED ; with LED detection indicator
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**Installation, mounting**

Maximum Mounting Height	4 m
Installation mode	for wall and ceiling mounting, corner installation with adapter

**Connection**

Bus connection	integration in the KNX radio/TP gateway, surface--mounted, into the KNX TP system
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**Settings**

Response sensitivity, settable	20...100 %
Delay time, adjustable	≈ 1 s...3 h
Programming	toolless quicklink configuration using buttons and LED display

**Scope of delivery**

Bus connection included	Yes
Component	wall retaining plate and fastening material included in scope of delivery

**Equipment**

Number of radio channels	1
Substation input	No
Number of channels	1
Number of quicklink links	max. 20 transmitter/receiver
Transmitter duty cycle	1 %
Angle of horizontal detection	220 °
Slewing	vertically slewing and horizontally rotating

**Safety**

REACH conform	No
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Halogen free	No
Protection	with crawl-under protection
<b>Use conditions</b>	
Operating temperature	-20...55 °C
Energy-saving	low intrinsic energy requirement
Relative humidity (without condensation)	0...65 %
<b>Identification</b>	
Application, usage	Motion detector ; KNX radio- sensors