



TRE521



IP55

Motion detector radio, with battery, IP55, anthracite

Technical properties

Architecture

Bus system KNX

Functions

Lockout time 10 s

Mode of operation μ-processor controlled mode of operation

ETS additional functions ETS additional functions: operating mode on/off, push-button, dimming value, brightness display, movement scene loading, no movement scene loading

Function easy additional functions: +6 scenes, on/off operating mode, scene call-up upon motion/no motion ; reset function (to factory setting)

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

Controls and indicators

Operation remote control via quicklink transmitter

Button / push-button with configuration button

Connectivity

Number of binary inputs 1

Radio protocol KNX Radio

Receiver category 2

Dimensions

Recommended installation height 2.5 m

Frequency

Radio transmission frequency 868.3 MHz

Power

Radio transmission power < 10 mW

Measurement

Detection Method Passive Infrared

Detection field, semi-oval shaped ≈ 16 x 16 m

Reach distance

Range, frontal ≈ 16 m

Range, side each ≈ 8 m

Battery

Battery service life [years] ≈ 4

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
Use conditions	
Operating temperature	-20...55 °C
Energy-saving	low intrinsic energy requirement
Relative humidity (without condensation)	0...65 %
Identification	
Application, usage	Motion detector ; KNX radio- sensors