



TRE520



**IP55**

**Motion detector radio, with battery, IP55, white**

**Technical characteristics**

**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**

RAL colour	RAL 9010 - Pure white
Surface appearance	matt

**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
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