TRE520

2,5 m

quicklink

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

Subject to technical modifications

Battery / storage battery	with 3 Micro, alkaline batteries AAA LR03

Cover, door

Cover	with cover elements to limit the detection field

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

LED control

LED	with battery status indicator ; with configuration LED ; with LED detection indicator

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

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

Subject to technical modifications

REACH conform	No
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