



TRE500



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

**Technical characteristics**

**Architecture**

Bus system KNX

**Functions**

Mode of operation μ-processor controlled mode of operation

ETS additional functions ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value, brightness display, movement scene loading, no movement scene loading

Function reset function (to factory setting) ; Party function for switching on for 2 hours ; with memory function for presence simulation ; with keylock ; Switch-off pre-warning on dimmer inserts ; Teach function for response brightness via button

Light scenes scene opening via KNX radio appliances ; scene saving lockable

Quicklink functions quicklink functions: switching, dimming, 2 scenes, time switching, NO contact push-button, Memory, forced control, Master-Slave

**Compatibility**

Extension unit optional operation of extension units using installation push-button

**Controls and indicators**

Operation remote control via quicklink transmitter

Button / push-button with configuration and function button ; with button for on/off/automatic/memory/party function

**Connectivity**

Number of binary inputs 1

Radio protocol KNX Radio

Receiver category 2

**Dimensions**

Assembling height 34 mm

**Frequency**

Radio transmission frequency 868.3 MHz

**Power**

Radio transmission power < 10 mW

**Measurement**

Detection Method Passive Infrared

<b>Detection</b>	
Number of detection levels	2
Angle of vertical detection	90 °
Detection angle, settable	each side ≈ 45...90 °
Frontal detecting distance	16 m
Side detecting distance	10 m
<b>Materials</b>	
RAL colour	RAL 9010 - Pure white
Surface appearance	glossy
<b>Lighting control</b>	
Response brightness, adjustable	≈ 5...1000 lx , daytime operation
<b>LED control</b>	
LED	LED application module/insert compatibility display ; with configuration and function LEDs ; with operation and status LED, red/green/orange
<b>Installation, mounting</b>	
Maximum Mounting Height	4 m
<b>Connection</b>	
Bus connection	integration in the KNX radio/TP gateway, surface-mounted, into the KNX TP system
<b>Settings</b>	
Response sensitivity, settable	10...100 %
Delay time, adjustable	≈ 1 s...3 h
Switch-off pre-warning to dimming value 50% for	30 s
<b>Equipment</b>	
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 °
<b>Safety</b>	
REACH conform	No
Halogen free	No
Protection	with dismantling protection
<b>Use conditions</b>	
Operating temperature	-5...45 °C
Energy-saving	low intrinsic energy requirement
Relative humidity (without condensation)	0...65 %
<b>Identification</b>	
Application, usage	Motion detector ; KNX radio- sensors