

WRKT32105NC
WRKT32205NC



Installation should only be carried out by a technical personnel having certificate of competency

Panasonic Electric Works Elektrik San.ve Tic. A.Ş.
Abdurrahmangazi Mah. Ebubekir Cad. No: 44
34887 Sancaktepe / İstanbul / Turkey
T: 0(216) 564 55 55 F: 0(216) 564 55 44

HOTLINE
444 8456

ewtr.panasonic.com

- Corridor:
KNX Corridor Type Detector
Across - approx. length 40m (20m each side)
* width 5m at 2.5m height, 20°C.
Towards - approx. length 16m (8m each side)
* width 3m at 2.5m height, 20°C.

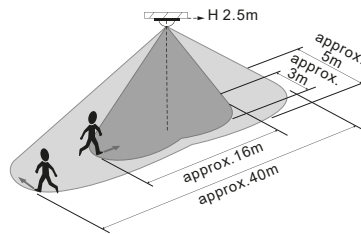


Figure 1

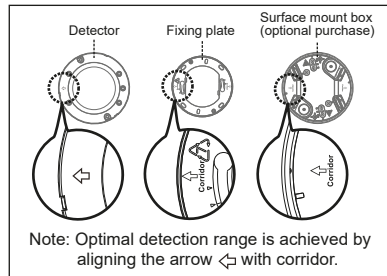


Figure 2

Usage of Lens Shield

Undesired detection areas can be shielded off by fixing the enclosed lens shield onto the lens.
Trim the lens shield with scissors either horizontally or vertically until the desired detection area is obtained

Surface Mounted

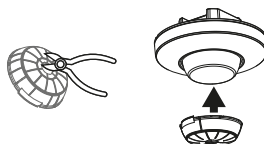


Figure 3

Flush Mounted

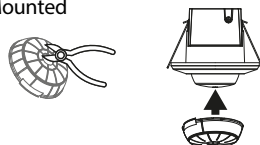


Figure 4

Installation

- With surface mount box (Optional purchase)

1. There are 4 pairs of knockouts with various distances from 56mm to 80mm on the bottom cover of combined surface mount box for different mounting applications (Fig. 5). Select two same figures on both ends for the corresponding distance for fixing (Table 2).

2. To feed KNX bus cables through the side of surface mount box, please use the cutting pliers to break the cable entry knockouts on the side of surface mount box, then feed the KNX bus cables through the entry and into the surface mount box. Strip off 5 - 6mm of cable sheathing for wiring (Fig. 6).

3. Choose proper knockouts to fix the surface mount box on the surface of ceiling with 2pcs screws attached with rubber washer (Fig. 7).

4. Refer to wiring diagrams for correct wiring connection (Fig. 12) and after ETS programming fix the detector into surface mount box with 2pcs non-dropping screws (Fig. 8).
5. Fix the decorative frame.

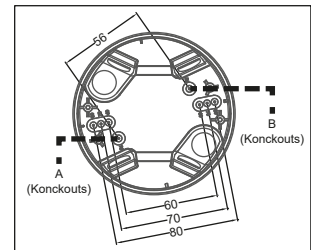


Figure 5

NO.	A	B	The distance between A and B
1	56	56	56mm
2	60	60	60mm
3	70	70	70mm
4	80	80	80mm

Table 2

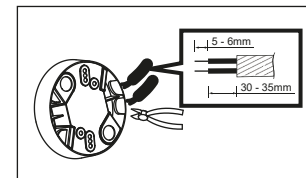


Figure 6

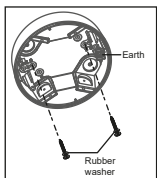


Figure 7

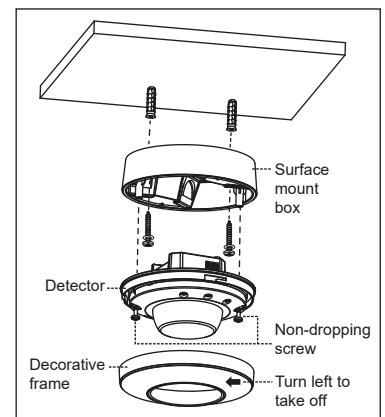


Figure 8

Main Features

- There are two channels of input that can connect to 2 separate push buttons for lighting On/Off or dimming control. The conditions of movement detection can be programmed according to the occupancy and the ambient brightness.
- AUTO mode or SEMI-AUTO mode can be programmed via ETS.
- Detection range can be extended by connecting slave sensors to master sensor.
- A red LED indicator is equipped for indication of movement detection.

Technical Information

Model Name	WRKT32105NC, WRKT32205NC
Product Name	KNX Corridor Type Detector (Surface Mounted) KNX Corridor Type Detector (Flush Mounted)
Rated Voltage	24VDC (via KNX bus)
Operating Temperature	-20°C ~ +45°C
Current Draw	Approx. 10mA
Rated Load	Up to 2 KNX devices via KNX bus
Terminal	For WRKT32105NC: 2-pin standard EIB/KNX terminal (Red/Gray or Red/Black) 2-pin push button terminal (S1, S1 & S2, S2)
ETS Programming	For WRKT32105NC: Via Program button on the sensor
Rated Protection	IP20
Detection	40m x 5m, L x W (tangential range) 16m x 3m, L x W (radial range) at 2.5m height, 20°C
Time Setting	Time 1 & Time 2: 30 sec - 60 min
Lux Setting	Lux 1 & Lux 2: 10 - 2000 lux
Stand by Time Setting	Standby Time 1 & Time 2: OFF / 1 - 60 min / ON
Standby % Setting	Standby Level 1 & Level 2: 10% - 60%

Table 1

• Ceiling flush mount with spring clips

1. To install the detector, please drill a hole with diameter of 68mm on ceiling board and keep the KNX bus cable outside. Please strip off 5 - 6mm of cable sheathing for wiring (Fig. 9).
2. Please refer to illustration of Fig. 11 for correct installation, and fix the flush mount spring clips to the detector with 2pcs non-dropping screws (Fig. 10).
3. Refer to wiring diagrams for correct wiring connection (Fig. 13) and after ETS programming tighten the flush mount spring clips with 2pcs non-dropping screws (Fig. 10).
4. Raise the two spring clips, and insert the detector into the drilled hole on ceiling (Fig. 11)

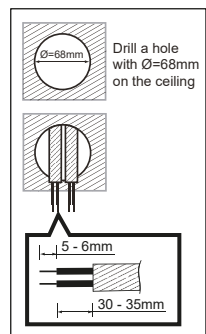


Figure 9

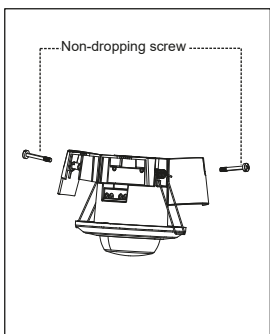


Figure 10

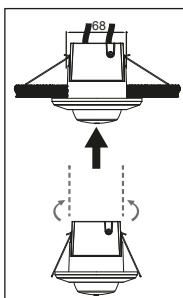


Figure 11

Connection Diagram

• With surface mount box (Optional purchase)

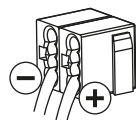
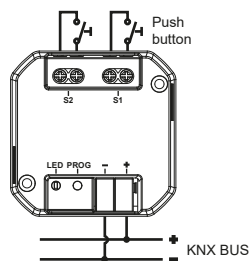


Figure 12

• Ceiling flush mount with spring clips

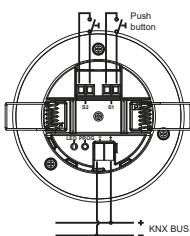


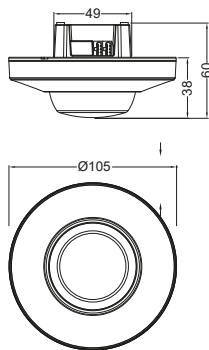
Figure 13

Warning

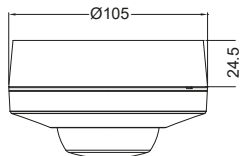
- Please disconnect power completely and read the entire instruction manual carefully before installation.
- Installation and assembly of electrical equipment must be carried out by qualified electricians. Contact a qualified electrician in the event of fault or break down.
- If using power tools, ensure that they are set to a low torque setting.

Dimensional Drawings

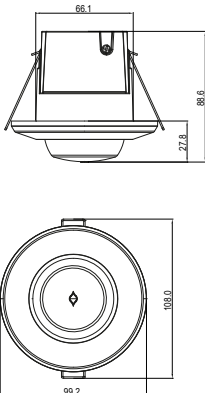
KNX Corridor Type Detector (Surface Mounted)



Detector with Surface Mount Box for WRKT32105NC (optional purchase)



KNX Corridor Type Detector (Flush Mounted)



Trouble Shooting

1. Unit will not function at all/Lights won't turn on
 - Check wiring to make sure that you have correct KNX Power at the unit.
 - Check the wiring from the unit to the source of power to make sure you have wired the unit correctly.
 - Check the ambient light control to see if it was set at your desired level.
2. Detector clicks but does not work
 - Check if lamps are broken.
 - Check if lamps are tight in lampholders.
3. Lights go on and off quickly
 - Ensure light and heat are not being reflected onto the detector. Check for white or reflective surfaces that may be causing the problem.
 - Note the detector is more sensitive in cold weather.
 - Make sure the sensor is not installed close to an air conditioner.
4. Lights stay on
 - Adjust time to minimum, and ensure unit is firmly fixed to a solid object with no moving branches etc. in field of view.
 - Ensure detector is not being activated by stray moving heat sources such as heating outlets.
5. Detector goes on under windy and rainy condition
 - Adverse weather conditions and temperature changes can result in unwanted activations.
 - This can be minimized by mounting in a protected location.
6. Maintenance and repair
 - Do not attempt to repair as this could invalidate warranty or result in personal injury.
 - Clean detector lens and outside casing with a damp cloth.

WARNING

- Ensure that the power is cut off before the assembly of the products .
- Connection and assembly of the electrical devices should be carried out only by the technical personnel having certificate of competency.
- No responsibility is assumed for the entire of the malfunction, accident and loss arising from the assembly or interference of the persons not having the competency certificate.
- Use dry or slightly damp cloth to clean the buttons, cover and frame of the product. Never use alcohol, cologne, detergent or other similar chemicals for cleaning. Do not perform wet cleaning do not contact the product with water when the product is energized.
- In case the surface to which the product is connected is dyed, store the product by removing its cover and the frames.
- Keep the product away from the damp or wet environment during the transportation and shipping.
- It is intended for indoor use only.

Service and Guarantee

- Warranty period starts as of the delivery date of the product and it is 2 years.
- Warranty covers the malfunctions likely to occur due to the manufacturing defects of the product and within the warranty period.
- The product including all of its parts is under warranty as a whole. If the product turns out to be defective, the consumer can use one of the following rights stipulated in Article 11 of Consumer Protection Law no. 6502;
 - a- Withdrawal from the contract
 - b- Demanding discount from sales fee
 - c- Demanding free repair,
 - d- Demanding the replacement of the sold one with a fungible one free from defects.
- In case the consumer chooses the right of free repair among those rights; the dealer is obliged to repair the product or have the product repaired without claiming any fee under the name of replaced part fee, labor cost or for any other reasons. The consumer can also use the right of free repair against the manufacturer or exporter. The dealer, manufacturer and exporter are jointly and severally liable for the usage of this right by the consumer.
- In case the consumer uses the right of free repair and if the product
 - fails within the warranty period again and
 - the maximum period required for the repair is exceeded and
 - Authorized service station, dealer, manufacturer or exporter state that it's not possible to repair the product in a report, the consumer can demand the return of the product fee, fee discount at the ratio of the defect or the replacement with the one free of defects, if possible, from the dealer. The dealer can not reject the demand of the consumer. In case this demand is not met, the dealer, manufacturer and exporter shall jointly and severally be held responsible.
- The repair period of the product can not exceed 20 business days. This period starts on the notification of the failure on the product to the authorized service station or the dealer within the warranty period and from the date of delivery of the product to the authorized service station out of warranty period. In case of not eliminating the product malfunction within 10 business days, manufacturer or importer is obliged to dedicate another product with similar characteristics to the use of the consumer until the completion of the product repair. In case the product fails within the warranty period, elapsed time is added to the warranty period.
- Usage of the product contrary to the rules stipulated in user's manual, operating out of determined voltage, current and environmental conditions, damage on the cable connection due to the user's fault and failure of the product due to the facts arising from the fire, flood, earthquake, lightning and similar disasters are not under warranty.
- The consumer can apply to the arbitration committee for consumers or the consumer court where the consumer operations are made or in the residential area for the disputes to be occurred regarding the usage of the rights arising from the warranty.
- In case the dealer doesn't provide this certificate of warranty, the consumer can apply to the General Directorate of Consumer Protection and Market Surveillance of Ministry of Customs and Trade".