## Connection

1. KNX connection terminal
2. KNX programming button
3. Programming LED

## Description of Devices

CD100 KNX Corridor Detectors are ideal for corridors, parking buildings. Detector is available in two models; "Flush Mounted" and "Surface Mounted".
Both models provide the following functions;

- Constant light function
- Corridor function
- Independent presence channel
- HVAC channel
- Master/Slave operation
- Fully automatic-semi automatic operating mode
- Test and calibration mode

## Technical Data

| Power Supply | 21V… 30V DC, SELV KNX Bus Current consumption < 10mA | |
|---|---|---|
| Application Area | Indoors, Corridors, Car parks, Warehouses | |
| Sensor Type | Passive infrared | |
| Installation | Location | Ceiling |
| | Recommended height | 2.5m –4,5m |
| Connections | KNX Bus connection terminal | |
| Detection | Diameter (at height of 4.5m) 12 x 4 m (radial walk) 20 x 6 m (tangent walk) | |
| | Angle 180° Light level 100 – 1000 Lux | |
| Additional channels | Brightness, presence channel, HVAC channel | |
| Parallel operation | Master/Master, Master/Slave | |
| Operating elements | LED (red) and programming button to assign physical address | |
| Dimensions | Flush Mount: 52 mm x 115 mm Surface Mount:: 62 mm x 115 mm | |
| Weight | Flush Mount: 83 gr Surface Mount: 97 gr | |
| Temperature range | Ambient | -5° C + 45° C |
| | Storage | -25° C + 55° C |
| | Transport | -25° C + 70° C |
| Humidity | Maximum air humidity 95 % no moisture condensation | |
| Type of protection | IP 20 (Flush Mount), IP 44 (Surface Mount) EN 60 529 | |
| Safety class | II EN 61 140 | |
| Box | Plastic, polycarbonate, white colour | |
| CE | In accordance with the EMC guideline and low voltage | |
| Application program | Communication objects 44 Number of addresses(max) 254 | |

## Operation and Display

**-Programming Led [3]**
Red led lights up after the programming button is pressed.

## Installation

Use a hole saw with diameter of 76 mm in order to install the box of sensor on the ceiling. KNX connector must be connected to the KNX connection terminal. Ensure that coloured cables are connected to terminals accurate.
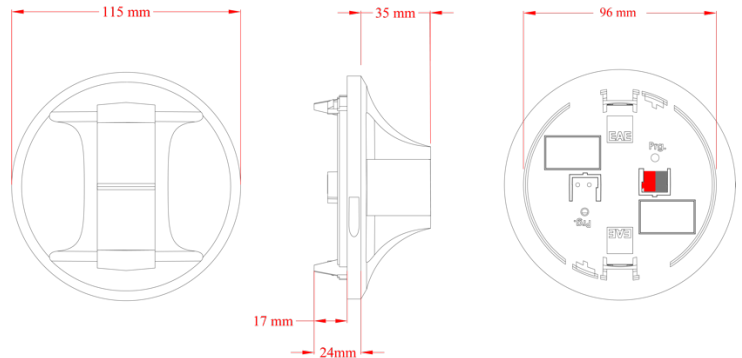


Detection range depends on movement types. These types are divided as follows;
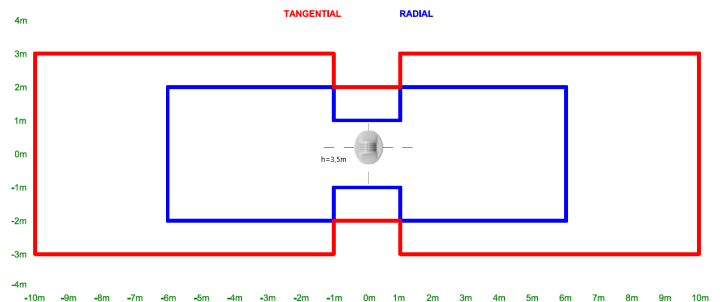


*3,5 m Height Detection Area*
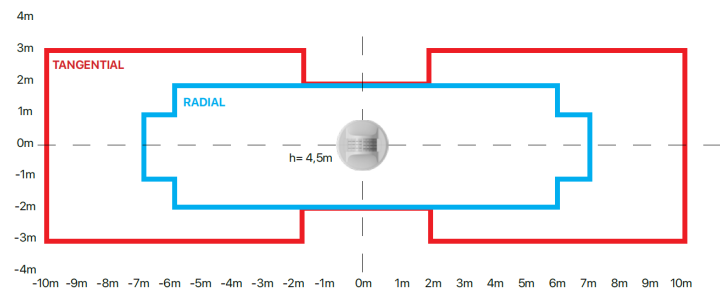


*4,5 m Height Detection Area*

## Commissioning

Determination of the physical address and setting of parameters are actualized with Engineering Tool Software (ETS3/ETS4 or higher). ".knxprod" file must be imported to the ETS. Please check website for latest ".knxprod" file.
www.eaetechnology.com

ℹ️ A detailed information about parameter configuration can be found in Product Manual of device.

❗ Installation and commissioning of device may only be implemented by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.
-When connecting the device make sure that the device is isolated!
-Protect the device against moisture, dirt and damage during transport, storage and operation!
-Do not operate the device out of the specified technical data which is stated.
-The device may only be operated in closed enclosures (Distribution boards etc.)

## Cleaning

If device becomes dirty, only a dry cloth can be used for cleaning. It is not suitable to use wet cloths, caustics and solvents.