

CREATROL SENSOR

CTL-SEN-Mini/1213

60.99.1213

Mini-PIR-KNX/20 V2

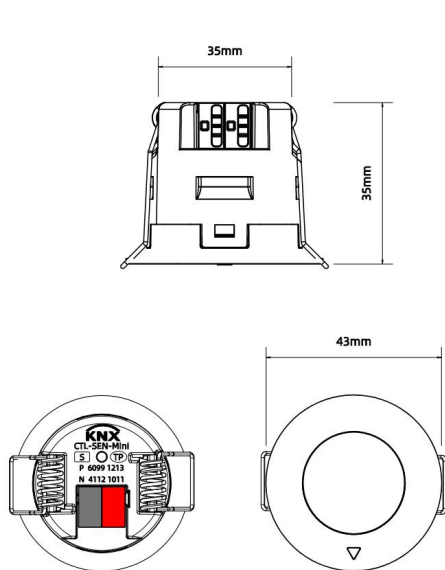


Figure 1 Dimension Diagram

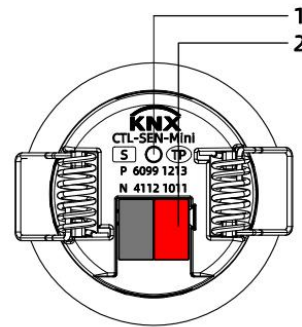


Figure 2 Component Diagram

1. Programming Method

Pressing the programming button on the device will keep the indicator light on to enter programming mode. Any set-top box remote control can input '*0#0#' to keep the sensor indicator light on and enter programming mode.

The allocation of physical addresses and the setting of parameters can be done using the engineering design tool software ETS (version ETS5.7 or above)

2. KNX BUS terminal.

Product Description

- The infrared motion sensor (PIR sensor) uses a Fresnel spherical lens to densely cover and detect the movement state of human radiation through pyroelectric infrared sensing, and it is equipped with a built-in digital illuminance chip for accurate illuminance value output.

Function Description

- The device is capable of detecting movement.
- Four independent channel lighting control functions.
- Supports fully automatic and semi-automatic modes.
- Supports remote control for setting device parameters and querying parameters.
- The built-in illuminance chip can accurately read the indoor illuminance value and output it.
- Supports illuminance output control.
- Supports external input to change parameter characteristics.
- Supports master/slave mode, disable/enable, day mode, and night mode.
- Supports logical functions, manual mode, and independent Event output.
- Easy - Quick Start, Advanced - Multi-channel output in advanced mode.

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Technical Parameters

Transmission Medium	KNXTP
Bus Interface	Red/Black Terminal
Programming Button	Assign Physical Address
Operating Voltage	21 ~ 30V DC
Operating Current	≤10mA
Terminal Wire Diameter	0.6 ~ 0.8mm
Product Dimensions	φ43mm*35mm
Cutout Dimensions	φ35mm
Embedding Depth	35mm
Product Weight	26g
Indicator Light	LED
Detection Method	Pyroelectric IR
Installation Method	Ceiling Embedded Installation
Installation Height	2.0 ~ 4.0m
Detection Angle	20°
Detection Range	When the installation height is 2.5m, the motion detection diameter is ≤5.0m
Illumination Sensor	0~32000Lux (Accuracy ±1%)
Delay Time	1~3600 seconds
Operating Environment	Indoor -20~45°C, Humidity < 95%
Storage Temperature	-40~85°C
Protection Level	IP20
Shell Material	ABS,PE

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Precautions

■ Installation Environment Requirements

1. Please avoid having continuously moving objects within the sensing area, such as animals, continuously swinging curtains, or large green plants directly facing air vents.
2. Facing hot and cold air vents and heat sources may cause false alarms from the sensor.
3. Avoid facing glass doors and windows directly to prevent interference from strong light and complex environments outside the doors and windows.

■ Electrical Safety

1. Before wiring, please ensure that the power supply is turned off.
2. Please strictly follow the wiring diagram and requirements for wiring operations.
3. All line voltages and main cables must use cables certified by national or professional testing organizations.

■ Installation Distance and Stability

1. Ensure the sensor installation position is firm and stable to avoid the device itself from shaking, which may affect the accuracy of detection results.

■ Product Specifications and Changes

If there are changes to the product design specifications, no further notice will be given, and the actual product may differ slightly from the illustrations.

■ Disclaimer

Please strictly adhere to the installation guidelines above. The company is not responsible for any interference or performance issues caused by improper installation. Ensure that all installation steps and environmental requirements are properly executed to guarantee optimal performance and accuracy of the device. If you have any questions or encounter issues during the installation process, it is recommended to contact us promptly for assistance.

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