GIRA Data sheet

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Motion detector top unit 2.20 m Komfort for KNX System 55



Specification	Order No.	Packing unit	PS	EAN
cream white glossy	2051 01	1/5		4010337027119
pure white glossy	2051 03	1/5		4010337027126
colour aluminium (lacquered)	2051 26	1/5		4010337032854
pure white matt	2051 27	1/5		4010337027133
anthracite	2051 28	1/5		4010337027140
black matt (lacquered)	2051 005	1/5		4010337037200
grey matt (lacquered)	2051 015	1/5		4010337082996
stainless steel (lacquered)	2051 600	1/5		4010337033028

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Features

- Installation on bus coupler 3.
- Configurable for motion detection (sentinel application) or for room monitoring (detector application).
- Evaluation of brightness during active motion detection in sentinel mode. Switching off lights when brightness threshold is exceeded.
- Configurable number of motion impulses within one monitoring time in detection mode.
- Digital motion detection via 2 PIR sensors.
- Sensitivity of motion detection can be parameterised separately in steps for the PIR sectors.
- Integrated brightness sensor for determining ambient brightness.
- Adjustment of sensitivity via a dial on the device or via IR remote control PIR KNX (accessory).
- Evaluation of the measured brightness by means of up to three independent brightness limits.
- Indication of motion detection (permanent or only during walking test).
- Up to 5 function blocks that are freely configurable for the "sentinel", "sentinel with switch-off brightness" or "detector" application.
- Two output communication objects are available for each function block which are transmitted to the KNX via the switching and control commands.
- Configurable functions: switching, staircase function, dimming value transmitter, scene auxiliary unit, temperature value transmitter, brightness value transmitter, operating mode changeover, switching with forced setting.
- Function block switchover for bus-controlled switchover between two function block groups.
- Switchover of the operating mode (OFF / AUTO / ON) of the first function block during ongoing operation through local operation or via communication object through local operation at other motion detectors for KNX using pushbutton sensor for KNX or visualisation.
- Blocking individual function blocks as required via the KNX.
- Manual operation of the controlled KNX actuators and consequently deactivation of automatic PIR operation is possible.
- In brightness-independent operation, the function block can determine the time span after a previous movement and transmit it to the KNX via a communication object. This function allows for simple monitoring of movements,for example of persons in assisted living residences or in a retirement home.
- Functionality of motion detection adjustable for the "sentinel" or "sentinel with switch-off brightness" application.
- For the "sentinel" or "sentinel with switch-off brightness" applications, the device can be used as a single device, main unit or auxiliary unit.
- Walking test function to help in planning and adjusting the PIR detection range.
- Integrated room temperature measurement.
- Tamper alarm, a 1-bit or 1-byte telegram is triggered when bus coupler is disconnected.
- IR remote control PIR KNX (accessory) for setting functions of the first function block (dusk stage, sensitivity of motion detection, motion evaluation and overrun time). Switching the walking test function on and off.

Technical data

KNX medium:	TP256
Mounting height up to 2.20 m	
- Range of detection forwards:	Max. 15 m
- Range to each side:	Max. 10 m
Mounting height up to 1.10 m	
- Range of detection forwards:	Max. 10 m
- Range to each side:	Max. 9 m
Angle of detection:	180°
Brightness sensor	
- Measurement range:	approx. 1 to 1000 lx
Protection class	
- System 55, System 70:	IP20
- TX_44:	IP44
Ambient temperature:	-25 °C to +55 °C
Temperature sensor	
- Measurement range:	-20 °C to +55 °C
- Precision:	±1 K

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Notes

- The motion detector is not suitable for alarm messages in VdS-compliant alarm systems.
- Also suitable for mounting height of 1.10 m (reduced detection range).

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