

# KLÜGER

## COMBINATION SENSOR CEILING MOUNT KOMBISENSOR DECKEMONTAGE



### Overview

The B-CM 7S.01 is capable of detecting temperature, Lux, and motion. The functionality of this module is further extended by its ability to control multiple targets, accept 2 dry contact inputs, and 2 universal switches. The sensor is capable of providing 7 functions in one compact, and easy to install package. It can detect temperature, Lux, motion and dry contact, and even combine sensor information. This combination approach is employed by the module to extend the detection range of the motion and ultrasound sensors.

With 24 logic blocks users can create a diverse range of applications, which meet the needs of multiple situations. A common application often created is for room management, this allows the system to know if the room is occupied or vacant. If a sensor in the room detects movement, it can send a command to the Klüger bus to activate the HVAC, turn on the TV, play Music, etc., to automatically create a comfortable and relaxed atmosphere.

### Technical Details

Working voltage	<b>DC18-30V</b>
Power consumption	<b>25mA/DC24V</b>
Temperature detection range	<b>-20°C~60°C</b>
Illumination detection range	<b>0~500LUX</b>
Humidity detection range	<b>20~95%RH</b>
Sensor Detection range	<b>Φ8m (Installation height:3m)</b>
Working temperature	<b>-5°C~+45°C</b>
Working relative humidity	<b>&lt;90%</b>
Storage temperature	<b>-20°C~+60°C</b>
Storage relative humidity	<b>&lt;93%</b>
Dimension	<b>Φ84.5mm×37.5mm</b>
Weight	<b>55.4g</b>
Housing material	<b>ABS</b>
Installation	<b>Ceiling mount</b>
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Protection degree	<b>IP20</b>
CE, RoHS, UL Approved	

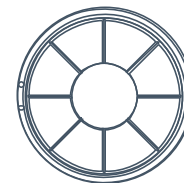
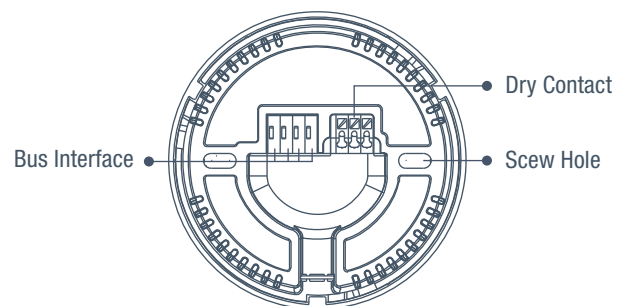
### Features

- Built-in infrared motion sensor, LUX sensor, dry contact, temperature sensor and universal switch control
- Seven logics for brightness sensor, temperature sensor, PIR sensor, two dry contact inputs and logical condition
- Two logic relations: OR, AND
- Adjustable infrared motion sensitivity, range from 1-10
- It has 24 logic blocks. The range of universal switch number in logic function is 201-248, each logic has 2 universal switch number. The universal switch has Auto-Off function, delay time is 1-3600s
- Logic can trigger the control target no matter it's valid or not. Up to 10 logic block functions to trigger the control target
- Constant illuminance function

### Safety Instructions

- The screw down torque should not exceed 0.1Nm.
- Wrong connections on the bus interface will damage it.
- Never let liquids get into the sensor, it will damage the device.
- Do not allow AC power into the Bus interface, it will damage all the devices in the system.
- Do not let the sensor come into contact with liquids or corrosive gases.
- Ensure good ventilation.

### Installation



Angle Cover  
(Used to reduce the detection Area)

