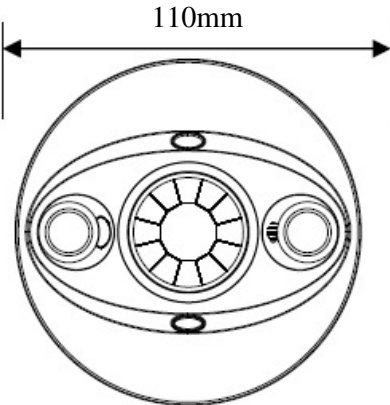

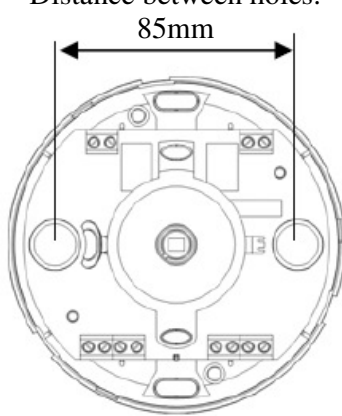
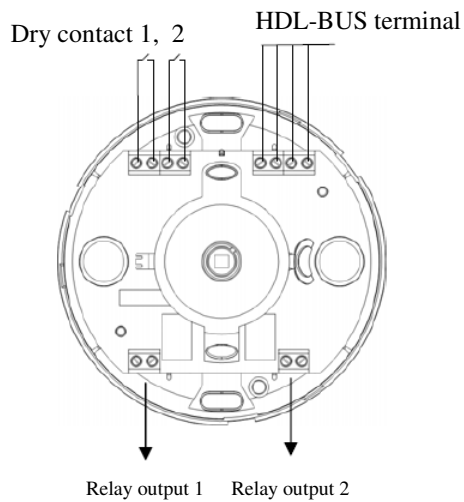
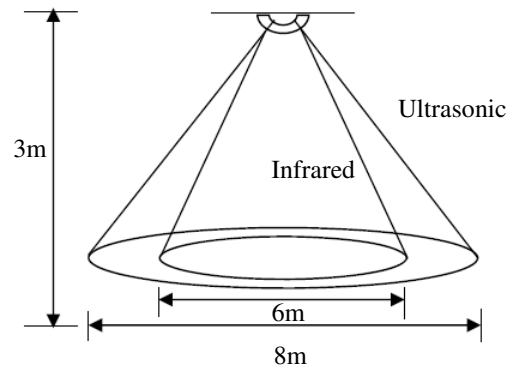


Description	Environmental Conditions
<p>The SB-CMS-12IN1 sensor provides multiple functions and features in one package.</p> <p>Operation on the HDL-BUS or stand alone is possible.</p>	<p>Working Temperature: 0°~45° Working Relative Temperature: 20%~90% Storage Temperature: -40°~+55° Storage Relative Temperature: 10%~93% Protection Grade : IP20</p>
Features	
<ul style="list-style-type: none"> • Inputs: temperature, lux, IR motion, ultrasonic, 2 dry contact inputs, 2 external logic inputs • 2 logic relations: OR, AND • 24 logic blocks, each with a maximum of 9 logic inputs. Up to 20 control targets may be controlled by each logic block • 2, 5A relays • Constant lux control (daylight harvesting) • Simulation of each interior detector to test logic • Can receive up to 40 IR signals which can then control targets locally or on the HDL-BUS • Can send up to 200 IR commands to other devices, e.g. TV, DVD, AC • On power return select from: status before power off, force true, force false, do nothing (wait for next change of logic) • Each logic block has one set (20) of control targets for the true condition and a second set (20) of control targets for the false condition 	
Performance Parameters	
<ul style="list-style-type: none"> • Working temperature: DC24V • Static power consumption (relay open): 40mA/DC24V • Dynamic power consumption (relay close): 90mA/DC24V • Temperature reading range: -20°C to 60°C • Lux reading range: 0..5000 lux • Signal interface: HDL-BUS • Installation: Ceiling mount 	
Installation Dimensions	
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>110mm</p> </div> <div style="text-align: center;">  <p>34mm</p> </div> <div style="text-align: center;">  <p>Distance between holes: 85mm</p> </div> </div> <ul style="list-style-type: none"> • Recommended wire size for output terminal: 2.5mm² copper wire • RS486 BUS wire: Cat5e or HDL cable 	

Wiring for installation



HDL-BUS: As shown in the adjacent diagram from left to right is COM, DATA-, DATA+, DC + 24



HDL-BUS Definition

HDL-BUS definition-Cat5e

Brown white/orange white colour	COM
Blue white/green white colour	DATA-
Blue colour/green colour	DATA+
Brown colour/orange colour	DC24V

HDL-BUS definition-HDL cable

Black	COM
White	DATA-
Yellow	DATA+
Red	DC24V

Note: HDL-Bus wire options: Cat5e or HDL cable

Packing list

- SB-CMS-12IN1 1 PC
- Installation Manual 1 PC

Safety and Maintenance

- Read all instructions in detail before use
- Ensure mounted equipment is well ventilated
- Install in location that is free of moisture, vibration and dust
- Do not allow contact with water or other liquids or corrosive gases
- Contact authorised maintenance staff should this product require service