

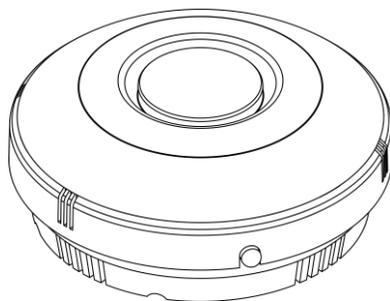
## Description

Sending and receiving environmental information always play an important role in the smart home systems.

The smart sensors of HBB are able to receive Infrared (IR) commands from remote control and send IR signal in order to control multimedia devices and AC unit. It also detects movement, light and temperature. It also makes decision based on determined logic and then implements smart command.

## Features

- Infrared sender
- Infrared receiver
- Temperature sensor
- Logic
- Digital input 1
- Digital input 2
- Movement sensor
- Light sensor
- Universal switch

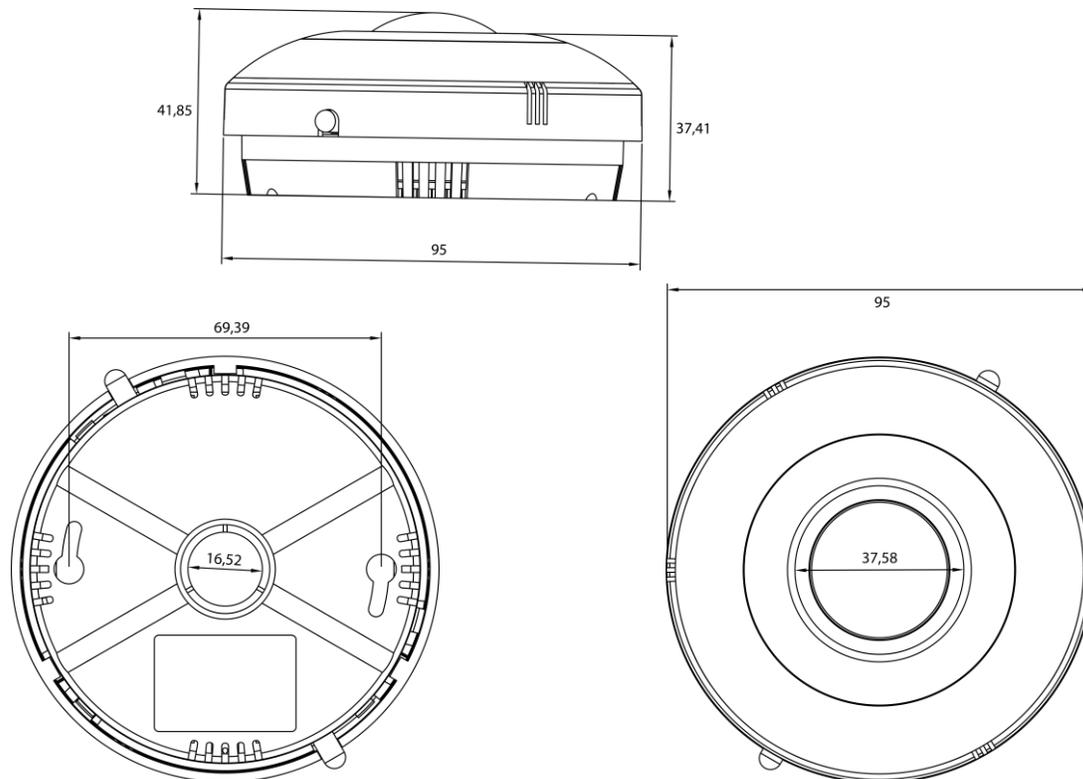


# H9 Sensor

## Specifications

- Operating voltage: 10 ~ 24.5V DC
- Maximum current: 200 mA
- Normal current at 24V: 10 mA
- Button: Debug / Broadcast detection / Factory reset
- Temperature sensor: Normal NTC  $\pm 1$  °C
- Light sensor: Normal LDR , digital output to 100 levels
- Movement sensor: PIR sensor, activation and holding delays
- Digital inputs (2z): Active low (GND input)
- IR sensors: Sender and receiver, 30 ~ 60 KHz, multi protocol
- Maximum operating temperature: 50 °C
- Maximum operating humidity: %45
- Weight: 100 g
- Size: 95 \* 95 \* 41.85 mm

## Dimensions (mm)



# H9 Sensor

## Communication

H.BUS GND		orange
H.BUS GND		w/orange
H.BUS D+		blue
H.BUS D-		w/blue
H.BUS D+		green
H.BUS D-		w/green
H.BUS +24V		brown
H.BUS +24V		w/brown

