

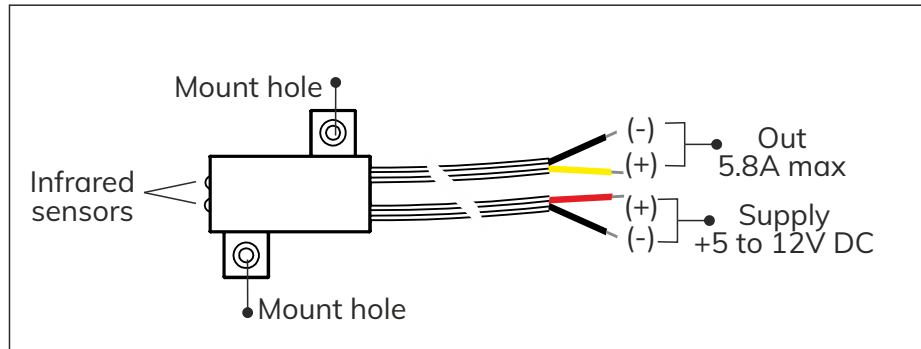
IRD-DC12-CH1

Sensor overview

Input supply
- 5 to 12V DC

Output load
- 5.8A max.
(Rated @ 12V)

Detection range
- 50 to 70 mm

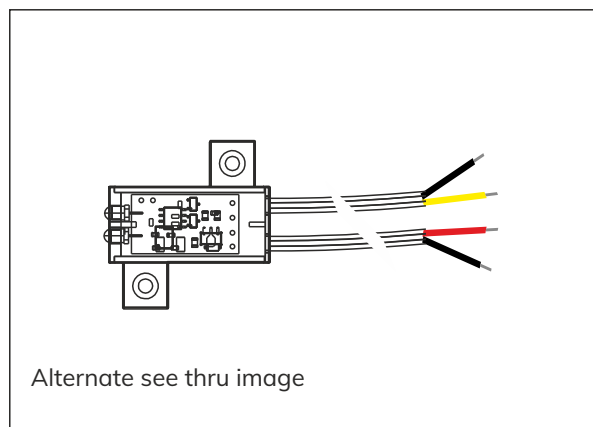


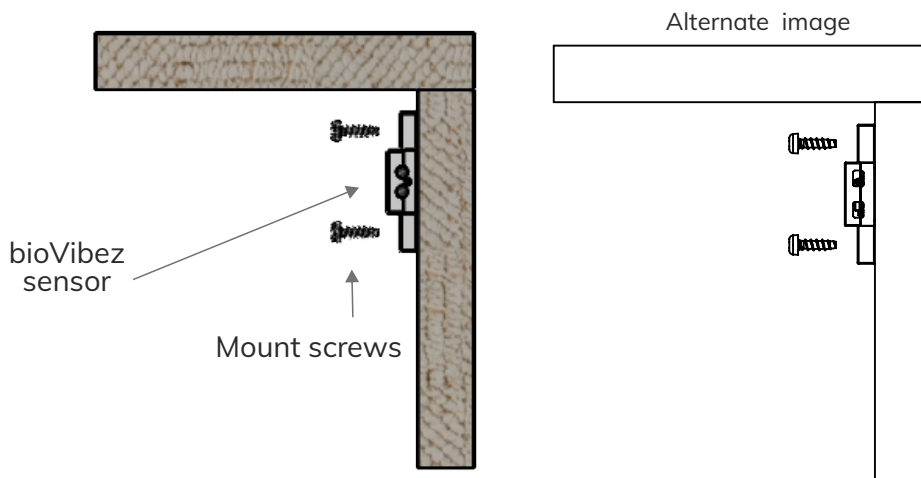
MADE IN INDIA

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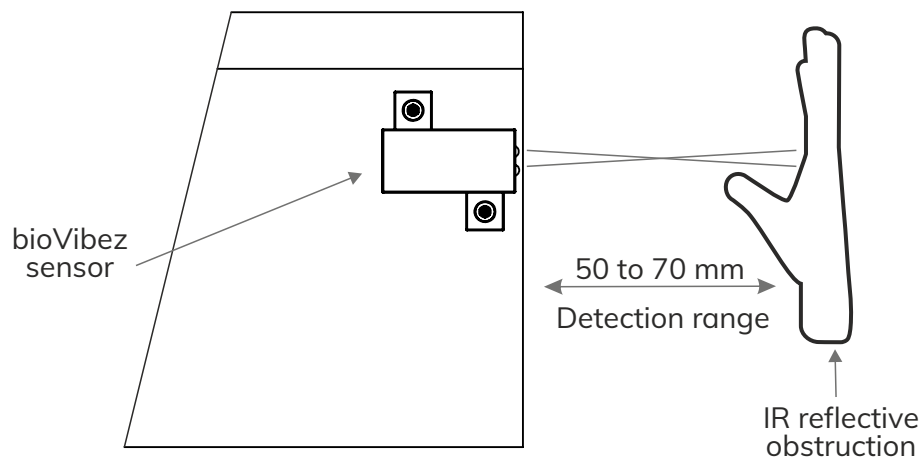




Sensor mounting / installation

Sensor mounting is simple and straight forward

- 1) Choose a mount location -
 - where sensor will face no obstruction when wardrobe / cabinet door is opened
 - Infrared sensors should face the door
 - Wiring is accessible
- 2) Mount sensor using the 2 screws provided
- 3) Connect the supply wires to power supply (SMPS)
- 4) Connect the output wires to LED strip



Sensor operation / detection

The sensor employs reflective Infra-Red(IR) method. Pulses of Infra-Red are transmitted from the Infra-Red transmitter. If the door is closed some of the Infra-Red light gets reflected and travels back towards the sensor. The Infra-Red receiver detects these pulses due to the obstruction in front of it and switches the LED strip / lamp 'OFF'.

If the door is open and no Infra-Red light is reflected back to the sensor, the sensor turns 'ON' the LED strip / lamp.

Notes-

- A darker surface door will reduce the IR reflections, hence reducing sensor range.
- To increase the range on a dark surface a lighter coloured patch / sticker can be used.