

Model - MP-AC1-R2 - 2nd gen

TECHNICAL SPECIFICATIONS

bioVibez - Dual outputs - PIR/LUX motion sensor / DIP-switch config.

Supply -

AC - Voltage : 90 to 250 V (AC)
DC - Voltage : 85 to 300 V (DC)

Output configuration-

Channel - 1 : Type - A*
Channel - 2 : Type - A*

Note-

*Channel outputs are tied to supply, through relays

Power output (Maximum) -

Channel - 1 : 2000W †
Channel - 2 : 2000W †
Channel -1 + channel - 2 : <= 2300W †

Note-

† Rated at resistive load

Fuse - Internal (for SMPS & Control circuit)-

Type : Glass Tube - 20mm
Housing : PCB mounted
Rating : 1 A

Fuse - External (for channel load)-

Recommended : as per load

Sensor detection-

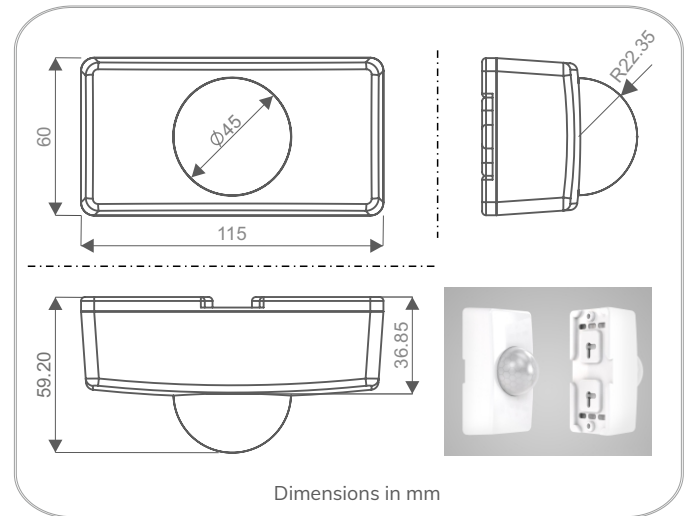
Detection range : ~6m (13ft)
Angle of detection : ~120 degrees
Motion detection speed : 0.5 to 0.9m/s

Device configuration-

Method : DIP-switches x 12

Configurable parameters CH-1 & CH-2-

- Channel timeouts : 8 preset values
Value list : 10sec, 20sec, 30sec, 60sec (1min), 2min, 5min, 10min, 30min
- LUX control : Enable / disable
- LUX set points : 2 preset values
Dark to dim setting : < 10 lux
Medium setting : < 70 lux
- Ch-2 start control : Parallel / Sequential
Parallel mode : CH-2 output switches 'ON' with motion detection.
Sequential mode : CH-2 output switches 'ON' after CH-1 output timeout ('OFF')
- PIR sensor sensitivity : 4 settings
Value list : 100 % (default), 85%, 75% & 60%



Dimensions in mm

Dimensions -

Length : 115 mm
Width : 60 mm
Height : 59.2 mm

Weight -

Unit weight : 180 gm
Packaged weight : 240 gm

Enclosure-

Material : Polycarbonate
Grade : Fire resistant

Recommended usage-

Device installation : Indoors

Recommended mounting-

Device mounting : Wall or ceiling

Dynamic lux set point calibration-

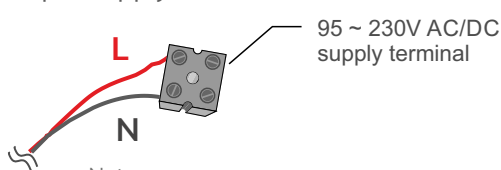
Dynamic SP delay # : 1 sec

Note-

Dynamic set point is captured after delay, once relay is 'ON'. The dynamic set point includes the lux value of the light attached to the relay. This prevents hunting.

Connections (colour coded wires)-

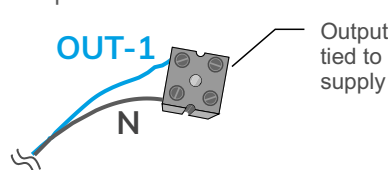
Input supply :



Note-

- Universal AC/DC supply

Output channel-1 :



Output channel-2 :

