



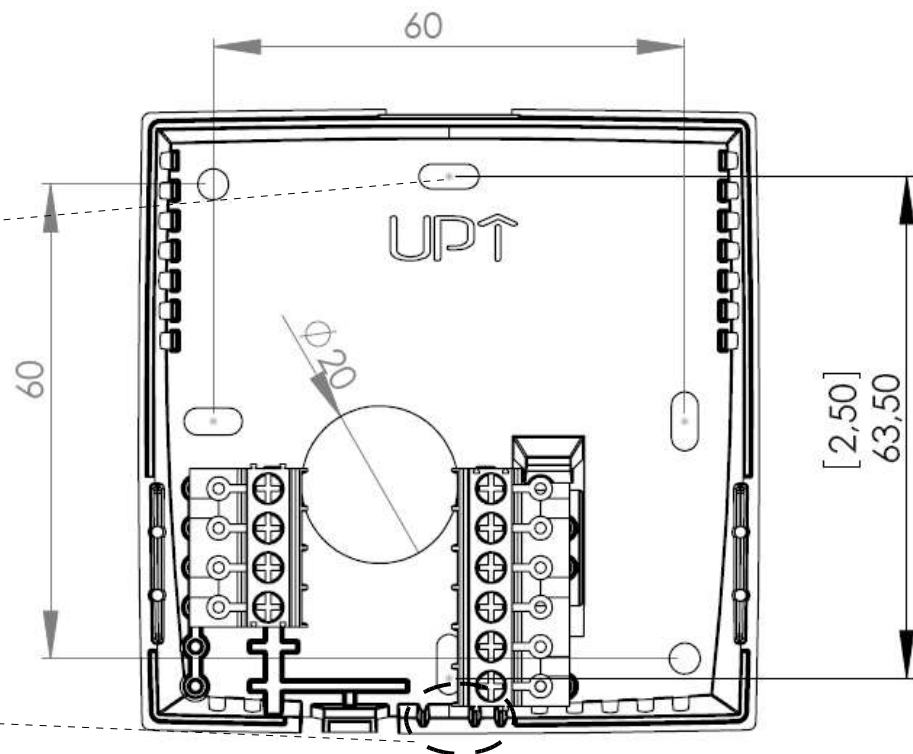
For wall mounted sensors:

1-5-000001-01 OS IAQ Sensor VS
 1-5-000002-01 OS IAQ Sensor VD
 1-5-000003-01 OS IAQ Sensor CS
 1-5-000004-01 OS IAQ Sensor CD
 1-5-000006-01 OS IAQ Sensor VN
 1-5-000010-01 OS IAQ Sensor MS
 1-5-000011-01 OS IAQ Sensor MD

1. Mount sensor

- For the best temperature and CO₂ readings the sensors should be mounted 160-180 cm above floor, on inner wall, away from draught (doors, windows) and heating or cooling sources.
- Mount onto junction box and pull through cabling or for wall cabling drill holes using the template drawing below.

NOTE: Only countersunk head screw in this position

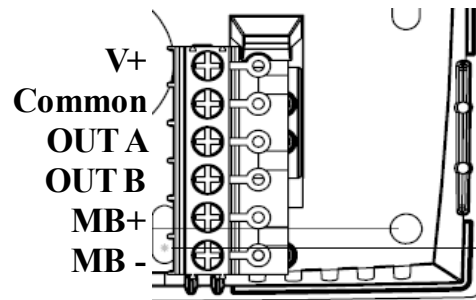


NOTE: Base is weakened for cable cut-out in the indicated area.

2. Attach signal and power cabling.

Default factory settings analogue version:

- OUT A: 0-10 V (4-20 mA) for 0-2000 ppm CO₂
- OUT B: 0-10 V (4-20 mA) for 0-50 °C
- or OUT B: NTC-20 passive temperature element for VN version.
- and optional for Modbus attach RS485/Modbus to MB+ and MB -.



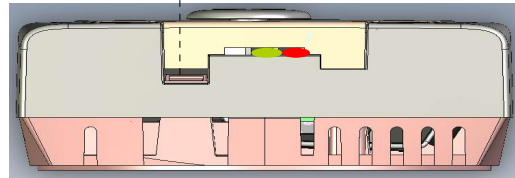
3. Snap on cover with electronics.

Hook onto top and move cover inwards until it locks.

Please observe that cover is released by pressing the lock-tab

4. Turn on power and watch LEDs

- Blinking (1 sec on/ 1 sec off) red LED for 3 min at start-up.
- Continuous red LED indicate fault. Blinking (3 sec on/ 1 sec off) red LED indicate warning.
- Green LED indicate normal operation.



5. The sensor is now operational.

The sensor is factory calibrated. To verify CO₂ and temperature with multi-meter watch the voltage stabilize at a ppm and °C values according to the table. Please allow the sensor to stabilize for approximately 2 hours after power up before verifying the temperature.

0-10 V	ppm	0-10 V	°C
2.25	450	3.5	17.5
2.50	500	3.75	18.8
2.75	550	4	20
3.00	600	4.25	21.3
3.25	650	4.5	22.5
3.50	700	4.75	23.8

Please visit www.optosense.com for further service instructions

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EMC: EN 61326-1, EN- 55011