

ALLNET MSR ALL4471 / Co2-Kohlendioxid-Sensor

white

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Highlights:

- compatible with ALL3418v2/3419/35xx/4500/5000
- Carbon dioxide sensor "CO2 sensor" displays the values in ppm.
- Aluminium housing with bracket for wall mounting
- CO2 measuring range 0-40000ppm
- Measurement accuracy $\pm (30 \text{ ppm} + 3\% \text{ MV}) / (25^\circ\text{C}, 400 - 10'000 \text{ ppm})$
- Connections: 1x RJ45 input / 1x RJ45 output
- **(no longer compatible with ALL3000/400x & ALL4504/4404 8 Port Multiplexer)**

ALL4471 - Sensor Module for HVAC and Indoor Air Quality Applications

ALLNET Technology for IR detection enables highly accurate carbon dioxide measurement at a competitive price. Along with the NDIR measurement technology for CO₂ detection.

Thanks to the dual-channel principle for the measurement of carbon dioxide concentration, the sensor compensates for long-term drifts automatically by design. The very small module height allows easy integration into different applications.

Carbon dioxide is a key indicator of indoor air quality. Thanks to new energy standards and better insulation, houses have become increasingly energy efficient, but the air quality can deteriorate rapidly. Active ventilation is needed to maintain a comfortable and healthy indoor environment, and to improve the well-being and productivity of the inhabitants. ALLNET's ALL4471 offers accurate and stable CO₂. This enables customers to develop new solutions that increase energy efficiency and simultaneously support well-being.

Technical Details:

CO ₂ Sensor Specifications	
CO ₂ measurement range	0 - 40'000 ppm
Accuracy	± (30 ppm + 3% MV) (25 °C, 400 - 10'000 ppm)
Repeatability	10 ppm
Temperature stability	2.5 ppm / °C (0-50 °C)
Response time (t63)	20 s
Humidity Sensor Specifications	
Relative humidity measurement range	0 - 100 % RH
Typ accuracy	±3% RH (0-100% RH)
Repeatability	0.1% RH
Response time (t63)	8 s
Electrical Specifications	
Supply voltage	3.3 - 5.5 V
Average current @ 2s measurement rate	19 mA
Max. current	75 mA

Attributes

Attribute	Value
Bauform:	Metallgehäuse
Einsatzorte MSR:	indoor
Kompatibilität Zentrale:	ALL3419;ALL3500;ALL3500PoE;PoE Signallampe;ALL 3696;ALL3420;ALL5000;ALL4500;ALL5000v2;ALL3418;ALL5100;ALL4176;ALL3692;
Weight:	0.1 Kg
Warranty:	24.00 Months

Accessories



Part No.: 166559
Vendor Part No.: ALL4471

Part No.	Name
104126	ALLNET ALL3505 / IP Homeautomation Appliance DIN-Rail 8x I2C
206211	ALLNET MSR Central "ALL5000v2" incl. 16 Sensor Ports & 19" for IP Building Automation