**Air quality controller EAQ 10/3**

Sensor for controlling a ventilation unit or fan depending on the air quality.

With integrated air quality sensor for measuring the concentration of various gases and odours (e.g. carbon monoxide, methane, hydrogen, alcohol, tobacco smoke).

Metal oxide sensor with automatic calibration, takes 2 min. to warm up.

With integrated potential-free contact (VOC and humidity).

With potential-free relay (n/o contact) with max. 36 VDC / 0.5 A.

Setting range of relay: VOC: 800 - 1800 ppm (approx. 1300 ppm when delivered), rel. humidity: 30 - 70 % r.h. (approx. 50 % r.h. when delivered).

0 - 10 volt output.

For connecting to WS 170 KBR../ WS 170 KBL.., WR 310/WR 410, WS 320 and WS 470 units.

Safety instructions

EAQ 10/3 should not be used in security applications.

Technical data

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| Article: | EAQ 10/3 |
| Type of voltage: | Alternating current/direct current |
| Rated voltage: | 12 V - 25 V AC or 12 V - 35 V DC |
| Output signal: | 0 V - 10 V |
| Imax: | 14 mA at 24 V, I<sub>max</sub> Relay 0.5 A 36 VAC/VDC |
| Maximum load: | 0,5 A |
| Degree of protection: | IP 30 |
| Electrical plug-type connection: | Plug with screw terminals for 0.25... 1.5 mm² |
| VOC switching point: | 1.300 ppm / CO<sub>2</sub>-Equivalent +/- 500 ppm can be set |
| Humidity switching point: | 50 % / relative humidity +/- 20 r.h. can be set |
| Relative humidity measurement range: | 5 % - 95 % |
| Installation site: | Wall |
| Type of installation: | Surface-mounted |
| Housing material: | Synthetic material |
| Colour: | Pure white, similar to RAL 9010 |
| Weight: | 0,08 kg |
| Weight including packaging: | 0,14 kg |
| Width: | 80 mm |
| Height: | 80 mm |
| Depth: | 25 mm |
| Width with packaging: | 190 mm |
| Height with packaging: | 120 mm |
| Depth with packaging: | 48 mm |
| Ambient temperature: | 0 °C up to 50 °C |
| Sensor measurement range: | 450 ppm - 2.000 ppm - CO<sub>2 </sub>equivalent |
| Packing unit: | 1 piece |
| Range: | K |
| GTIN (EAN): | 4012799578291 |
| Article number: | 0157.0829 |

Manufacturer: MAICO

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