

# EDB-RLQ EDB-KLQ Air quality sensors for ducts and for environment



**Description:**

Sensor for air quality analysis based on mixed gas sensor VOC (Volatile Organic Compounds) .

**Use:**

Suitable for offices, meeting rooms, shops, houses, restaurants. The sensor can be calibrated (sensitivity threshold).  
By these sensors it is possible to manage the ventilation according to the current needs, as to guarantee an energy saving.

**Detectable gases:**

- carbon monoxide CO
- Hydrogen sulfide H2S
- solvent vapours
- alkane vapours
- cigarette smoke
- car exhaust
- air produced by human breathing
- combustion smoke from wood, paper and plastics.

**Characteristics:**

Power supply: 15...36 Vdc or 24 Vac/dc  $\pm$  10%, 50-60 Hz  
Outputs: 0...10 Vdc, 0...20 mA or 4...20 mA, selectable by jumpers (RLQ version) or dip-switch (EDB-KLQ version)  
Sensor: VOC  
Working: 0...+50 °C  
10...95% r.h. (without condensing)  
Storage: -20...+50 °C  
< 95% r.h.  
Housing  
-EDB-RLQ: plastic material similar to RAL 9010  
-EDB-KLQ: plastic material similar to RAL 9010 aluminum tube  
Protection  
-EDB-RLQ: IP30, class III  
-EDB-KLQ: IP65 (housing), class III  
Size  
-EDB-RLQ: 75 x 75 x 25 mm  
-EDB-KLQ: 65 x 59 x 36 mm  
(tube L = 206 mm, diameter = 16 mm)  
Weight  
-EDB-RLQ: 80 g  
-EDB-KLQ: 260 g

**Warnings:**

The air quality monitoring sensor cannot be used for purposes of safety.

**Operating data and price list**

model	version	protection	operating °C	euro
EDB-RLQ	environment	IP 30	from -10 to +50	✓
EDB-KLQ	duct	IP 65	from -10 to +50	✓