Off-Gassing Detector
E2673



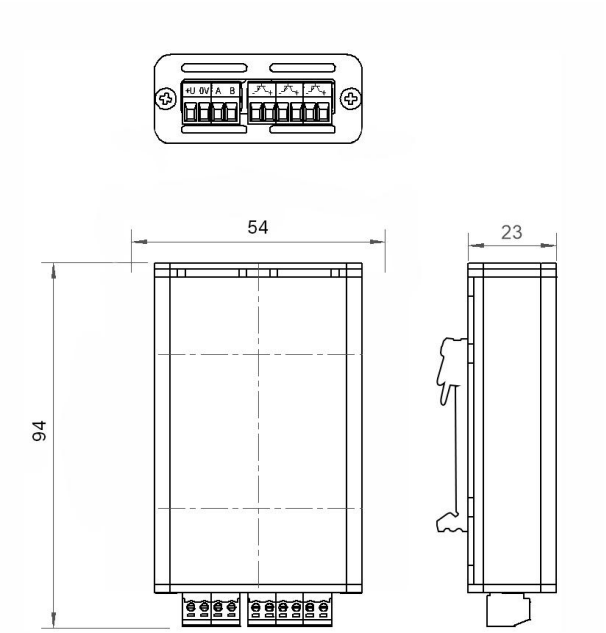
Features

- Hydrogen & VOC leaks detection for BESS
- Humidity & Temperature measurement
- Compact DIN-rail mount design
- Maintenance free long life sensors
- Alarm relays and RS485 Modbus RTU interface

Specifications

Gas sensor technologies	Thermal conductivity for Hydrogen, MOS for Volatile Organic Compounds
Sensors expected lifetime	~15 years
Sampling method	Diffusion / convection
Hydrogen detection range	0...50 / 0…100 %LEL H2
Resolution / digital unit	0,02 %LEL H2
Accuracy	< 3 %LEL H2 @ 0…50 %LFL < 6 %LEL H2 @ 50…100% LFL
Alarm Threshold	10…40 %LEL H2, user settable
VOC detection range	0…500 VOC index
RH+T measurement range	0…100 %RH, -40…+85 °C
RH+T accuracy	< 2 %RH, < 0,3 °C
Warm-up time	< 1 min
Self-diagnostics	Functionality check at startup and constantly
Response time	< 20 s
Long-term stability	< 3 %LEL H2 during 5 years
Maintenance	No maintenance or field calibration needed
Power supply	10…36 VDC
Power consumption	< 3 VA
Visual indication	Power / alarm / fault LED, green + red
Alarm / fault outputs	Three SPST NC relays, rated 300 mA, 30 VDC
Digital interface	RS485 Modbus RTU, 19200 baud default
Enclosure	Silver anodized aluminium alloy, protection class IP20, H95×W74×D23 mm, DIN-rail mount
Operation ranges	-40…+85 °C, 0…100 %RH
Ex environments	Safe areas and Zone 2, Pollution degree PD2
Regulations	Directives 2014/30/EU, 2014/34/EU EN 50270, EN 61326-3-1 EN 61010-1, EN 60079-7

Dimensions



Connections

