

GAS DETECTOR - TYPE ED 811



The ED811 Gas Detector has found extensive use in many applications. With hazardous area certification, 4 zone capability and convenient alarm extensions it allows an economic solution to a long standing problem.

Impressive approvals and an established track record since it was first certified in 1986 ensures long term reliability second to none.



APPROVED BY



Number -0598
Certificate
Baseefa03ATEX0507



Number -1180
Certificate
BAS21UKEX0600



SGS Baseefa
Certified
II(1)G [Ex ia Ga] IIC



Quality Assurance to
SGS Baseefa
Certificate
Number: 0344

FEATURES

- Intrinsically safe 4 sensor gas detection system with control capability.
- Non poisoning, well proven, semi conductor sensors.
- Double level alarm for each sensor.
- Continuous fault monitoring of sensor wiring.
- Manual reset as standard, auto reset optional.
- Alarm acceptable and non alarm acceptable, voltage free changeover contacts for alarm level and fault.
- Fused 12V DC supply available for external functions.
- Flammable and toxic sensors covering a large range of detectable gases including ammonia, natural gas, propane, butane, freon.
- Calibration only required annually.

HAZARDOUS AREA

SGS Baseefa Certified Intrinsically Safe to EN60079-0 and EN60079-11 product Coding II(1)G [Ex ia Ga] IIC.

PERFORMANCE

Alam level accuracy

RANGE	SENSOR TEMP	ACCURACY
5-30%	LEL - 5° +30°C	2% LEL
5-30%	LEL - 25° +55°C	3% LEL
30-100%	LEL - 5° +30°C	3% LEL
30-100%	LEL - 25° +55°C	6% LEL

NB:The above assumes correct calibration at prevailing RH. Reduction in alarm point level (ie fail safe) is not greater than 3% LEL from 40% to 100% RH at 20°C. The reduction is greater at higher temperature. For the highest accuracy calibration under prevailing conditions is advised.

WORKING TEMPERATURE RANGE

-20°C to +40°C

WARM UP TIME

1 minute

RESPONSE TIME

Type EDF 1B or EDF 2B sensors, 10 seconds max. to 20% LEL for step function from clean air to 50% LEL concentration. See separate data sheet for details on our I.S. Transmitter range.

Designed to also accept either Pellistor or Electrochemical cell sensors.

HIGH GAS CONCENTRATION

After exposure to 100% gas (propane), reset within 10 minutes. Step function of 50% LEL alarms at 20% LEL within 10 seconds.

POWER SUPPLY

Mains (permanent): 110/240V _ 10%, 50/60Hz_ 5% Mains (transient): 110/240V _20%, 50/60Hz _ 10%



DIMENSIONS SENSORS

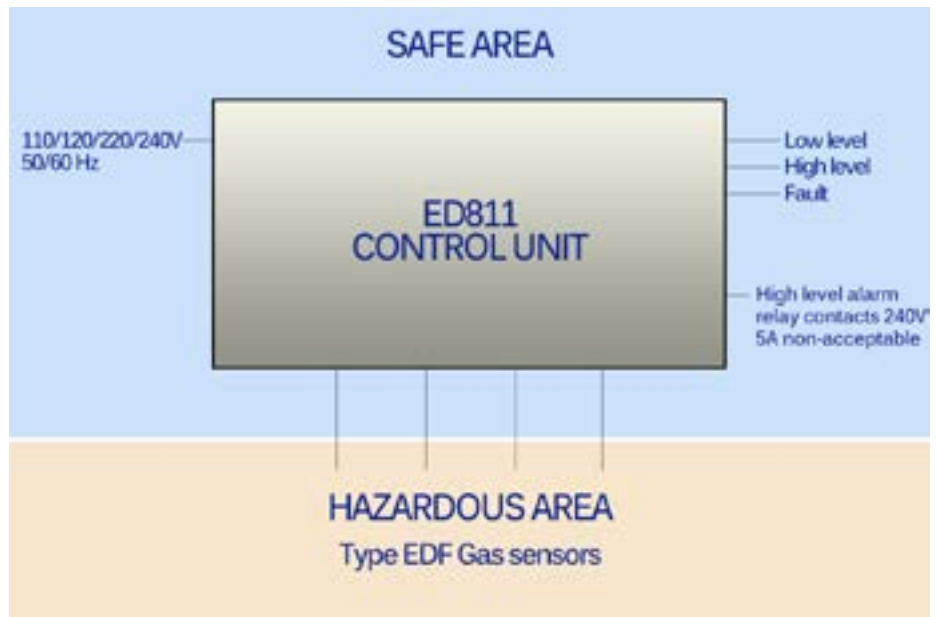
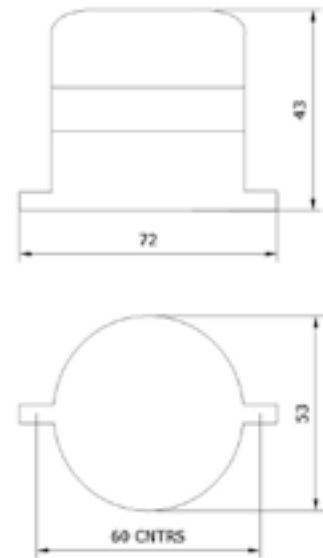
The EDF is intended to be Bulkhead mounted in quick release clips to facilitate testing calibration etc. The EDF types are suitable for direct internal tank mounting using the M32 male thread or via suitable adaptors to conduit, junction boxes etc.



Type EDF 1B, 2B or 3B (Stainless Steel)
II 2 G EExd IIC T6
Weight: 0.5 Kg
M32 male threadplanes.

AUDIO ALARMS

Type ED6 Audible and Audible/ Beacon alarms available



Also available in this range of gas detectors are the following models:
ED 210, ED 910, ED 810