

# SMART 3 BLIZZARD

## Refrigerant Gas Detector

Precision without compromise: the Sensitron SMART 3 Blizzard provides infrared refrigerant gas detection with wireless interface – ready for the future.



SMART 3 Blizzard has been designed to monitor refrigerant gases with maximum precision and minimal intrusion. It enables safe, remote maintenance without the need for physical access to the device. Whether used in HVAC-R applications or non-classified areas, SMART 3 Blizzard combines reliability, intelligence and user-centric design for enhanced safety and operational efficiency.

## FEATURES

### Ideal for machine rooms & light industry

- Detects refrigerant gases in safe (unclassified) areas
- Multicolour LED ring and internal buzzer provide clear alarms, so you can act quickly to secure your site
- Simple sensor replacement
- Continuous self-diagnostics
- Infrared sensor

### SENSE

- Wireless interface available on PC and mobile devices
- Set alarm thresholds
- Check detector status
- Update firmware
- Download reports

### Fully compliant

- SMART 3 BLIZZARD is fully compliant with the following standards and regulations:
- EN 378-3
- EN 14624
- EN 50676
- IEC 60335-2-40 Annex LL
- ANSI/ASHRAE 15
- CSA B52: 2023
- F-Gas Regulation EU 573/2024
- SIL2 certified according to EN50402

## GASES & RANGES

| GASES & RANGES |          |            |
|----------------|----------|------------|
| GAS            | SENSOR   | RANGE      |
| R454B          | Infrared | 0-100% LFL |
| R32            | Infrared | 0-100% LFL |
| R1234YF        | Infrared | 0-5000ppm  |
| R1234ZE        | Infrared | 0-5000ppm  |
| R134A          | Infrared | 0-5000ppm  |
| R404A          | Infrared | 0-5000ppm  |
| R410A          | Infrared | 0-10000ppm |

# SPECIFICATIONS

| DEVICE SPECIFICATIONS              |                                                                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| SIZE                               | 130 x 130 x 52 mm                                                                                                                 |
| WEIGHT                             | 450g                                                                                                                              |
| ENCLOSURE MATERIAL                 | Polycarbonate                                                                                                                     |
| INGRESS PROTECTION                 | IP454                                                                                                                             |
| CABLE GLAND ENTRIES                | 2 x M20<br>Optional 6x M16                                                                                                        |
| OPERATING VOLTAGE                  | 12-24 Vdc                                                                                                                         |
| POWER                              | 73 mA at 24V DC                                                                                                                   |
| OUTPUT                             | 2 relays<br>4-20 mA Analog                                                                                                        |
| INDICATORS                         | Sounder: 63dB at 1 meter<br>Light: 4 Smart LED                                                                                    |
| OPERATING TEMPERATURE              | -10°C to +50°C                                                                                                                    |
| HUMIDITY                           | 0 / 95% RH non condensing                                                                                                         |
| EMC COMPLIANCE                     | EN 61000-6-3:2007 + A1:201<br>EN 50270:2015                                                                                       |
| ELECTRICAL SAFETY                  | EN 61010-1: 2010 / A1: 2019 (AC version)                                                                                          |
| REFRIGERATION STANDARDS COMPLIANCE | EN 378-3<br>EN 14624<br>EN 50676<br>IEC 60335-2-40 Annex LL<br>ANSI/ASHRAE 15<br>CSA B52: 2023<br>F-Gas Regulation<br>EU 573/2024 |
| WARRANTY                           | 2 years on electronics<br>1 year on sensor                                                                                        |