

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

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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 Optional 6x M16
OPERATING VOLTAGE	12-24 Vdc
POWER	73 mA at 24V DC
OUTPUT	2 relays 4-20 mA Analog
INDICATORS	Sounder: 63dB at 1 meter 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 EN 50270:2015
ELECTRICAL SAFETY	EN 61010-1: 2010 / A1: 2019 (AC version)
REFRIGERATION STANDARDS COMPLIANCE	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
WARRANTY	2 years on electronics 1 year on sensor

Disclaimer

Due to ongoing research and product improvement, specifications are subject to change without notice. While every effort has been made to ensure accuracy in this document, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This document is not intended to form the basis of a contract.

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