SMART3H LITE

SMART3H LITE allow to monitor the refrigerant gases and carbon dioxide in hotels and residential areas. The design is aimed to have cost-effective product, thanks also to the presence of a special infrared sensor. The detector status is constantly displayed by three intelligent LEDs that uniformly illuminate the semi-transparent

SMART3H LITE gas detector has a 12-24 Vdcpower supply, as outputs it's equipped with an RS485 serial output and two relays.

The housing is made of polycarbonate and has an IP42 degree of protection.



Sensor	
Application	Hotel and residential
Sensing element	Infrared
Predicted sensor life	>5 years
Gas detected	R32, R1234YF, R1234ZE, R454A,R454B, R454C, R452B, R134A, R410A, R404A, R407C, CO ₂
Fullscale	0-20% LFL 0-5000 ppm
Alarm thresholds	5 e 10% LFL 1000 e 2000 ppm
Electrical data	
Power supply	12-24 Vdc
Signal output	2 relays; RS485 serial output
Power consumption	150 mA at 24 Vdc
Relays contact rating	1.0 A at 30 Vdc
Optical indications	3 smart LEDs
Acoustic indications	Buzzer 70 dB

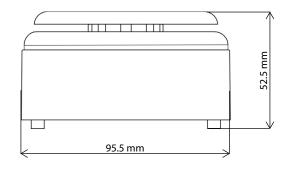
Product P/IN

Hall effect sensor

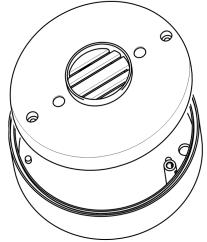
S3843R32	R32 detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3844R1234YF	R1234YF detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3845R1234ZE	R1234ZE detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3848R454A	R454A detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3849R454B	R454B detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3850R454C	R454C detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3851R452B	R452B detector, thresholds 5% and 10% LFL, 12-24 Vdc
S3846R134A	R134A detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
S3847R410A	R410A detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
S3854R32	R32 detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
S3855R404A	R404A detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
S3856R407C	R407C detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
S3857R1234YF	R1234YF detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
S3858R1234ZE	R1234ZE detector, thresholds 1000 and 2000 ppm, 12-24 Vdc
\$3859CO2	CO2 detector, thresholds 1000 and 2000 ppm, 12-24 Vdc

Yes, for buzzer silence

External case	
Material	Polycarbonate
Dimensions	D: 95.5mm H:52.5 mm
Weight	200 g
Cable entries	Lateral entry: pre-formed guide that can be drilled for M16 fairlead (supplied with the gas detector) Entry on the bottom: 10 mm hole.
IP grade	IP42
Environmental conditions	
Storage temperature	-40/ +85°C
Operating temperature	-10 / +50°C
operating humidity	0 / 95% RH non condensing
Compliance	
EMC	EN 61000-6-3:2007 + A1:2011; EN 50270:2015
Refrigeration Standards	EN 378-3; EN 14624; EN 50676; IEC 60335-2-40 Annex LL; ISO 5149-3; F-Gas Regulation



Mechanical drawings





Tlf: 67 150 250 Faks: 67 150 251 Mail: post@instrumentteam.no Web: www.instrumentteam.no

