

SLM R290

Gas Detector Module

with Semiconductor (MOS) Technology inside

Semiconductor Leakage Module

For Refrigerant R290
in HVAC-R applications



The SLM R290 is a cost effective, reliable refrigerant gas detector module, based on MOS technology, that offers precise measurements at alarm threshold being factory precalibrated at 6,5% LEL.

Designed for cost optimization, it is ideal for price sensitive applications. Safety is a priority, featuring a fully analogue circuit for enhanced reliability, a power relay output and a direct input to the main equipment in the event of gas detection.

The main output is a single relay (230V - 5A) to offer a clean signal that can be managed in an intuitive way. It comes with 2 versions: 5Vdc or 12V-24V ac/dc power supply.

Applications

- HVAC Systems
- Refrigeration
- Cool Store
- Hotels ventilation system
- Home & Building automation
- Mobile HVAC units

Part Number Definition

SLM-R290-5

Part Series

Gas configuration

Power Supply

5 = 5Vdc

Blank = 12/24V ac/dc

Features & Benefits

- Factory precalibrated module
- Alarm signal @ 6.5% LEL (R290)
- Clean contact switching (230V - 5A) in case of gas detection
- Full analog circuit for safety reliability
- Power supply: 5Vdc or 12V-24V
- Ideal for cost sensitive projects
- Available M2M Output for status info

TECHNICAL FEATURES

Technology	Semiconductor (MOS)
Gas detected	R290
Alarm threshold	> 6.5%LEL
Heating time	3 min.
Response Time (T90)	<15 sec.
Signals output	1x RELAY (230 Vac - 5A)
Lifetime	5 years
Machine to Machine Signals output	Status: Boot - Power On - Alarm - Fault (5Vdc - 100mA)
Visual information	4x LED (Boot - Power On - Alarm - Fault)
Supply Voltage	5Vdc \pm 5% 12V /24V ac/dc \pm 10%
Power Consumption	5V version: 160mA 12V /24V version: 100mA
Recommended operating temperature	0° to +40°C, non condensing
Absolute maximum operating temperature	-20° to +55°C, non condensing
Storage temperature	-30° to +60°C, non condensing
Protection grade (IEC60259)	IP20
Dimensions	7,7 x 8,7 x 2,6 cm
Weight	310gr
Certifications & Approvals	CE, EMC, Rohs, compliant to IEC60335-2-40 Ed.7

