

# RLD2



## Automotive-Grade R290 (Propane) Refrigerant Leak Detector

- Detect critical (flammable) levels of propane in air
- Proven and selective NDIR technology
- OEM customizable automotive grade module with optional altitude compensation

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Automotive-Grade R290 Refrigerant Leak Detector with configurable LIN I/O/ wake-up capabilities and low power park mode.

The RLD2 (Refrigerant Leak Detector for R290) is an automotive-grade sensor designed to reliably detect critical concentrations of R290 - a natural refrigerant - at strategic locations such as the vehicle's engine

compartment. Utilizing selective NDIR sensing technology, the RLD2 covers the full range of critical R290 concentrations. It supports customer-specific alarm thresholds and features low-power sleep and park modes with LIN-based wake-up functionality.

Moreover, an optional barometric pressure sensor enables effective altitude compensation.

### Features

- Full R290 range: 0 – 50% (optional 100%) LFL
- Proven and selective NDIR sensing technology
- Configurable alarm thresholds and LIN wake-up
- Optional pressure and dewpoint sensor
- Microphone-free technology

### Benefits

- Precise coverage of LFL of propane
- Negligible cross-sensitivity to other gases
- OEM customizable
- Optional altitude compensation
- Cannot be used for audio monitoring

### Typical Application

- R290 / propane monitoring in automotive HVAC air conditioning systems and heat pumps

### Properties

- AEC-Q100, ISO/IATF16949:2016 conformant design
- Temperature range: -40 – 85°C
- Humidity range: 0 – 95%
- Voltage range: 7 - 27V
- Low power park mode down to 200µA
- LIN 2.x communication

### Dimensions

