



OEM/OES anti-theft system

ACU + sensors

Vodafone
Power to you

The platform consists of an alarm control unit with ultrasonic volumetric sensors protecting the vehicle and its contents by triggering the alert in case of attempted intrusion.

This solution is ideal for price-sensitive markets that wish to link the central unit directly to the vehicle horn without adding an external siren. The compact backup battery siren 5375 offers a high-performance addition to the protection system.

Communication can take place via Vodafone Automotive bus (proprietary serial communication protocol), LIN bus or according to the customer's specifications and requirements.

Description

Alarm control unit with ultrasonic volumetric sensor level and optional monitor sensor.



Key features

- The operating principle is based upon ultrasonic technology and the Doppler effect. The platform can operate with two to four ultrasonic heads and is designed for smart integration in the vehicle's interior.
- Inclination detection can be enabled with the addition of a few more components. This triggers an alarm once the vehicle is lifted over a predefined angle.
- The alarm control unit, ultrasonic sensor and inclination sensor are integrated into one.

- Scalability with a backup battery siren for full alarm and horn for basic alarm system.
- Increased signal dynamic range ensures high product performance.
- Coherent phase detection filter technology enables precise and reliable discrimination between real intrusion and false alerts.

Product data

Nominal voltage (VDC):	12
Operating voltage (VDC):	8 to 16
Operating temperature (°C):	-40 to +85
Current consumption – SET (mA):	<3
Current consumption –UNSET (mA):	<0.1
Three-axis accelerometer (optional):	Low current consumption (<0.1 mA), low noise Low drift in temperature High resolution (<0.1°)
Dimensions (mm):	76 x 46 x 21
Weight (g):	<50

