

# Bircher loop detector

1 or 2 channels

## Description

Every loop detection operation is performed with total reliability when using ProLoop 2. The ProLoop 2 system monitors and evaluates using induction wire loops laid in the ground and in this way recognises metal vehicles of all types: Bicycles, cars, forklifts and trucks are detected with precision.

The intuitive operating and display concept makes ProLoop 2 particularly user-friendly and guarantees the highest levels of reliability because the loop is electrically isolated from the detector.

## Your benefits

- Minimal start-up time thanks to simple programming and simulation capability
- Multitude of functions and flexible settings
- Easy and self-explanatory operation
- Automatic measurement and display of the loop inductivity
- Immediate fault detection on the illuminated LCD display
- High operational safety also at power failure lasting for days

## Technical specifications

- Supply voltage: 230 V AC, +/-10%
- Power consumption: 230 V AC, 3,7 VA
- Output relay: 240 V AC, 2A, AC1
- On duration: 100%
- Type of connection: 11-pin connector
- Loop resistance: < 8 Ohm incl. supply cable
- Sensitivity: frequency modulation: 0,01 - 1,00% in 9 stages
- Hold time: infinite (factory setting) or according to programming (2 infinite time bases)
- Humidity: max. 95% (no condensation)
- Operating temperature: -20 °C to +60 °C
- Loop inductivity: max. 20-1000 µH, ideal 80-300 µH
- Frequency range: 4 stages
- Max. vehicle speed: 50km/h with the appropriate loop
- Channel switching time: one loop: 25ms, two loops: 50ms
- Housing: black lower part with 11-pin connector with red hood
- Dimensions: 36 x 74 x 88 mm
- Weight: 185g
- Compliance: R&TTE 1999/5/EG
- Type of protection: IP 20



## There's nothing easier

Intelligent software and compact design make operation and start-up really easy. The device variant with 11-pin connection permits rapid modernisation of your loop system simply by plugging new units onto the existing bases.

## Power failure safety

The situation which existed before the power failure is reliably stored. After the power has been re-established, the current value is compared with the stored value and the outputs are switched according to the loop activation.

