

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.

