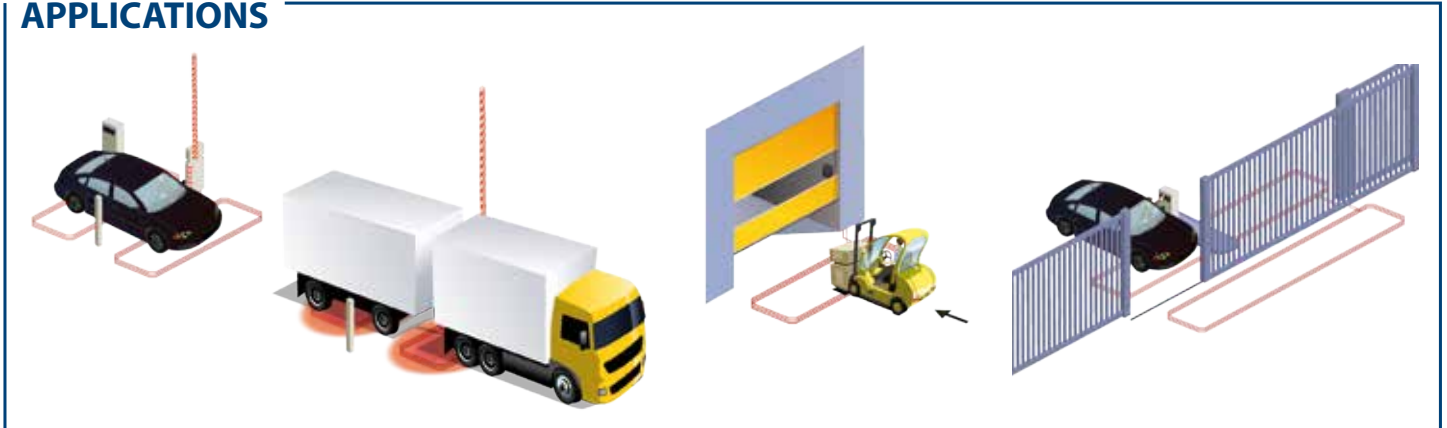


MAGNETIX

MAGNETIX is an electronic metal detector designed to detect the transit or presence of a vehicle on a specific area defined by a magnetic loop laid underground.

MAGNETIX family consist of a mono-channel (BASIC) and bi-channel (BASIC-DGL) detectors with DIN rack mounting, 12-24V power supply.

APPLICATIONS



FEATURES AND BENEFITS

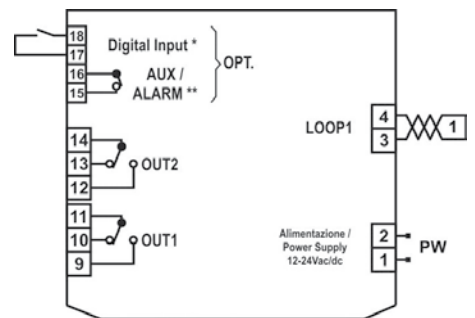
- High sensitivity with the possibility of continuous adjustment
- Different settings of sensitivity in the case of dual-channel
- Setting of continuous presence for an unlimited time
- External temperature compensation to ensure accurate safely detection in case of long-term employment of the loop

BASIC

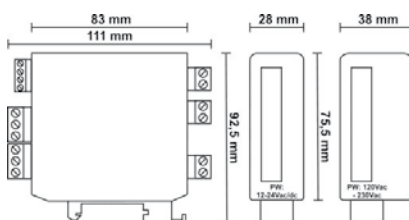
Single Channel
detector 12-24V
DIN rail mounting



Power supply: 12-24V ac/dc or 120Vac or 12-24V
 Power consumption: 80mA
 Inductance of the loop: from 30 μ H. Ideal: from 80 μ H to 500 μ H
 Wiring the coil: max 100m min 50x 1.5 square meters plot /m
 Resistance of the loop: <8 Ω with power cord
 Frequency range: 20-80 kHz on 4 levels
 Sensitivity range: from 0.01% to 0.65% ($\Delta f/f$) on 4 levels
 Output relay: relay OUT1 SP 5 (1) A 250Vac
 relay OUT2 SP 5 (1) A 250Vac
 Type of detection: pulse (100ms) and / or presence for each output
 Connections: extractable terminal
 Report: 1 Red LED Green LED + 1
 Data storage: on EEPROM
 Mounting: DIN - OMEGA guide
 Front protection: IPOO
 Operating Conditions: ambient temperature: -10°... 50°C
 storage temperature: -20°... 70°C
 Relative humidity: Environment 30/80% noncondensing



* DIGITAL INPUT external reset
 ** AUX/ALARM the contact is closed in the absence of power supply in the fault condition

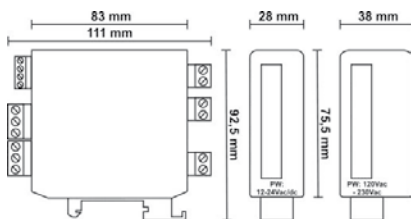


**EXAMPLES
OF POSSIBLE
APPLICATIONS**



BASIC-DGL

12-24V detector 2 channels for DIN rack



- **10 sensitivity levels**
- **Selection of the type of action:** just 1 loop / 2 independent loops / with or without direction signal
- **Display of every loop working frequency**
- **Stability check of loop frequency to test the loop correct installation**
- **Dynamic release (patent pending)**

Technical data as BASIC detector:

Power supply: 12-24V ac/dc or 120Vac or 12-24V

Power consumption: 80mA

Inductance of the loop: from 30 μ H. Ideal: from 80 μ H to 500 μ H

Wiring the coil: max 100m min 50x 1.5 square meters plot /m

Resistance of the loop: <8 Ω with power cord

Frequency range: 20-80 kHz on 4 levels

Sensitivity range: from 0.01% to 0.65% ($\Delta f/f$) on 4 levels

Output relay: relay OUT1 SP 5 (1) A 250Vac / relay OUT2 SP 5 (1) A 250Vac

Type of detection: pulse (100ms) and / or presence for each output

Connections: extractable terminal

Report: 1 Red LED Green LED + 1

Data storage: on EEPROM

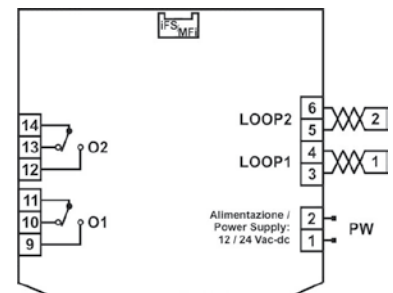
Mounting: DIN - OMEGA guide

Front protection: IPOO

Operating Conditions: ambient temperature: -10°... 50°C

storage temperature: -20°... 70°C

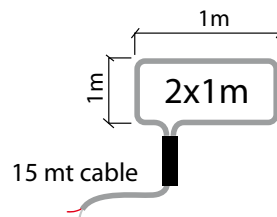
Relative humidity: Environment 30/80% noncondensing



APE - 550 / 1230

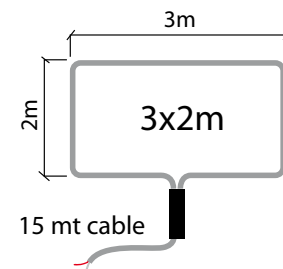
LOOP

Cabled loop



APE - 590 / 0062

LOOP 6 - cabled loop 2mt x 1mt



APE - 590 / 0063

LOOP 10 - cabled loop 3mt x 2mt