

# MAG-CON

## Magnetic Detector Relay Controller

**MAG-CON** is an optional interface that provides a relay output for the MAG01S sensor.

Each controller has two screws terminals: J1 - located at the bottom of the controller - for the relay contact and for the interface to the MAG-01S sensor; J2 in the upper part of the DIN rail housing for the power supply input and the LED signalization (power and output).

In the central part of the DIN rail housing the P1 button is present: this is the function suitable to set the magnetic field surrounding the MAG-01S detector (named "baseline field", value stored in the memory of the detector). The magnetic field changes are evaluated against this value.

Please refer to the technical data-sheet of MAG-01S detector for further info.



### □ Technical Data / Features

<b>Applications</b>	The MAG-CON has to be used in combination only with the MAG-01S sensor. Any other type of use is not permitted.
<b>Power supply</b>	10-14 Vdc
<b>Output</b>	Single contact relay (NO)
<b>Working indication</b>	LED: presence of power supply and active output (detection ON)
<b>Working conditions</b>	0°C ... +65°C, indoor installation (IP20)
<b>Connection cable</b>	Not present: use the 6 core cable, provided with the MAG-01S (RS485 wires - not used)

#### • J1 (bottom part of the controller).

Term.	DESCRIPTION	COLOR (MAG-01S)
1	RELAY CONTACT (COM)	--
2	RELAY CONTACT (NC)	--
3	RELAY CONTACT (NO)	--
4	NPN OUTPUT	Red
5	SENSITIVITY 2	Orange
6	SENSITIVITY 1	Blue
7	SET BASE	Green
8	-V (0 V)	White
9	+V (from 10 to 14 V dc)	Brown

#### • J2 (upper part of the controller).

Term.	DESCRIPTION
1	Input power supply: 12 V dc
2	Input power supply: 0 V
L1	Power presence when ON
L2	Vehicle detection when ON
S2	Dip switch S2 (Sensitivity 2 high / low levels)
S1	Dip switch S1 (Sensitivity 1 high / low levels)

**P1: SET BASELINE.** Push the button to set the baseline of the magnetic field against which the MAG-01S sensor will detect field changes. The L2 LED must turns off.