

explona



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explona NPN NO inductance sensor User manual



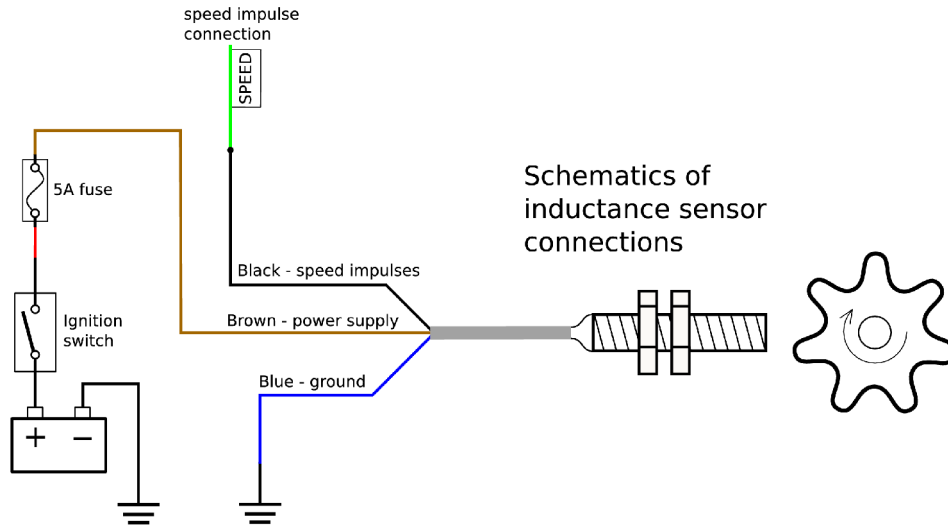
In order to connect **explona** tripmeter to a wiring of the car without electronic speed signal the inductance sensor can be used as a source of speed impulses. If maximum reliability is required it can be used as an additional independent source of speed impulses.

It is equipped with optical presence indicator (yellow LED shown on photo below). It helps with mounting and positioning.



Electrical connection:

- brown – power supply (3–5 A fuse should be used),
- blue – ground,
- black – signal output to be connected to „SPEED” cable.



Mounting

The sensor surface should face metallic item connected uniquely with rotation of the wheels (eq. transmission shaft, screws of a brake disc). Recommended distance from sensor's face to rotating item is 1–3 mm. The sensor is equipped with optical presence indicator. If installed correctly the indicator should become lit and dark while the wheel rotate.

Technical data

Type	NPN NO
Working temperature range	-40 – 70 °C
Supply voltage	10–30 V DC
Current consumption	10 mA
External dimension	thread M12×1, length: 34 mm, total length 50 mm
Enclosure	brass
Ingress protection	IP67 (dust-proof, water-proof)
Weight	about 70 g
Maximum sensing range	4 mm
Sensing object	substance containing iron (with non-iron metals working range decreases)
Maximum working frequency	1 kHz
Cable	2 m length, 4 mm diameter

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