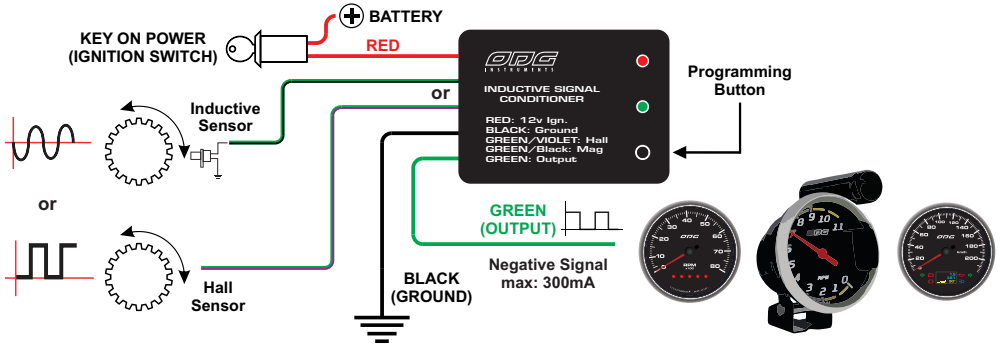


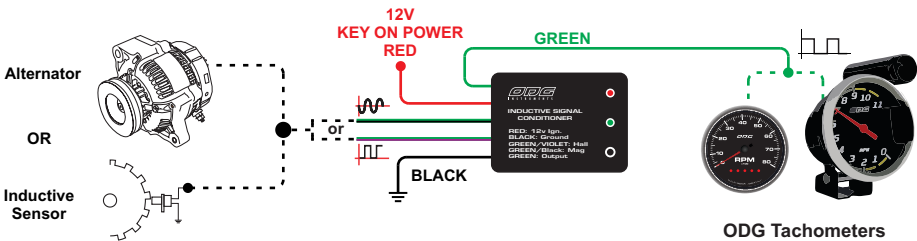
Inductive Sensor Conditioner CSI-1

WIRING DIAGRAM:

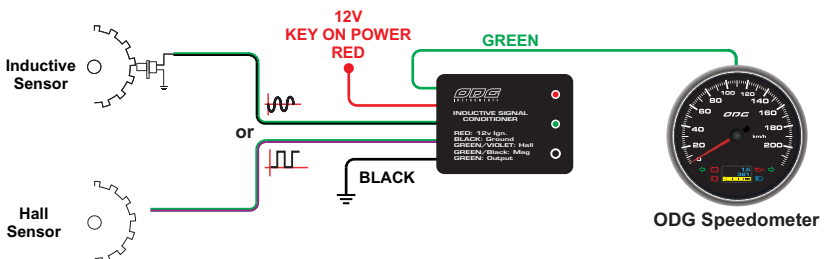


OPERATING MODES:

- 1 - Sinusoidal converter/conditioner for use of tachometers in Diesel vehicles. This mode allows converting the rotation signal coming from an inductive type sensor (two cables) or an alternator and applying it to any ODG tachometers. In this mode, the converter will transform the read signal into a signal equivalent to that coming from the hall distributor of a 4-cylinder gasoline vehicle (Otto cycle).



- 2 - Sinusoidal signal converter/conditioner, for use by ODG speedometers in conjunction with an inductive type sensor (two cables). It allows the conversion of the sinusoidal signal into a square signal and also the storage of the number of pulses read when traveling a certain distance to configure the ODG speedometer. In this mode the read signal will be suitable and recorded for programming and operation of the ODG speedometer.

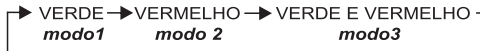


- 3 - Sine wave to square wave converter.
It converts the read sinusoidal signal into a squared signal, without applying any kind of division.

Settings:

After installing the module according to the scheme above follow the procedure:

- With the ignition switch off, press and hold the programming button and start the engine.
- Release the programming button, at this moment the module will be alternating the leds every two seconds following the sequence:



For use in **MODE1** (tachometers installed in diesel vehicles):

- Keep the engine at **idle** (850 RPM).
- When only the GREEN led is on, press the programming button.
- The green led will be flashing indicating that it is in programming mode.
- Make sure that the engine is at **idle speed** and press the button again.
- The GREEN and RED leds will flash indicating that the recording has ended.

When installing the tachometer, set it to 4 cylinders, regardless of the number of cylinders in your engine.

During operation in this mode, the GREEN led will remain on.

For use in **MODE2** (ODG speedometer with inductive speed sensor (2 cables)):

- Set a location to travel 100 meters.
- When only the RED led is on, press the programming button.
- The RED led will be flashing indicating that it is in programming mode.
- Press the button again and travel the chosen distance. The green LED will flash for each pulse received from the sensor.
- When you reach the end of the 100 meter course press the button again.
- The GREEN and RED leds will flash indicating that the recording has ended.

When setting up the speedometer remember to select the same meter value that was traveled (100 meters).

During speedometer setup, when prompted to travel the chosen distance, keep the vehicle stopped and tap the module's programming button. At this moment the module will send the number of pulses it read when it was programmed. Proceed with the speedometer setup steps.

During operation in this mode, the RED led will remain on.

For use in **MODE3** (sine wave to square wave converter.):

- When the GREEN and RED leds are on, press the programming button.
- The GREEN and RED leds will flash indicating that the recording has ended.

This mode converts the read sinusoidal signal into a square signal, without applying any kind of division.

During operation, the GREEN and RED leds will remain on.