

Made in America



Thank you for purchasing this instrument from Intellitronix. We value our customers!

INSTALLATION GUIDE LED EGT Digital Gauge w/Alarm Part Number: C9017

*** Always disconnect the battery *before* attempting any electrical work on your vehicle.***

KIT COMPONENTS

- ◇ One (1) C9017 Gauge with attached cable and thermocouple (¼" NPT) plus bezel
- ◇ One (1) Mounting hardware kit

SPECIFICATIONS

- ◇ Reads EGT in 1° increments from 90° to 2000° Fahrenheit, and will display a visual alarm when you have reached your designated settings. (Gauge can also be programmed for Centigrade readings.)
- ◇ The gauge can also act as a ground switch providing ground to an external device or relay that is required to be activated at your chosen temperature settings. This switch can be set as 'normally open' or 'normally closed' and has its own LED indicator.



WIRING INSTRUCTIONS - Gauge

Note: Automotive circuit connectors are the preferred method of connecting wires. However, you may solder if you prefer.

Ground - Black Connect directly to an engine ground such as the engine block. For the most accurate readings, connect to the same ground as the sending unit.

Power - Red Connect to a switched +12V source such as the ignition switch.

Dimmer - Purple Connect to the parking lights to dim the LEDs 50% when the headlights are on. However, **do not** connect to the headlight rheostat control wire; the dimming feature will not work properly. Otherwise, connect to ground for permanent 100% brightness.

Ground Output - Blue Connect to the ground of the device to be controlled.

OPERATION

Thermocouple - A pre-installed bung is required to be in existence on the exhaust manifold, after which the thermocouple may be inserted into it.

Temperature-Controlled Ground Switch

This device has two settings for *Normally Open* (the *Blue* wire will provide ground AFTER the switch reaches the set temperature), and for *Normally Closed* (the *Blue* wire will provide ground UNTIL the switch reaches the set temperature). Activation is at 1190° *Normally Open*. The display will stay in Settings Mode until it is programmed. To program the unit after starting the engine, shut the engine off and turn on only the ignition.

While in Settings Mode, use the push buttons on the device face to change the temperature switch setting in increments of 1° at a time, up to a maximum of 2000° F. The left button increases, while the right button decreases. Once you are at the desired setting, the LED display will stay on the temperature setting for a few seconds, then switch to NO and NC settings. Use the left button to choose.

Switch - Blue Connect to the ground of the device to which you want your temperature switch to activate. This device has two settings for *Normally Open* (the *Blue* wire will provide ground AFTER the switch reaches the set temperature), and for *Normally Closed* (the *Blue* wire will provide ground UNTIL the switch reaches the desired temperature).

Note: *If the device to which the blue wire is attached draws more than 3 amps, a relay must be used to drive that device or damage to the unit will occur.*