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

(Doc. # 3000-00015 rev.1)

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

KIT COMPONENTS

- ◇ One (1) C9017 Gauge with attached cable and thermocouple (1/4" NPT) plus bezel
- ◇ One (1) Mounting bracket

SPECIFICATIONS

- ◇ Reads EGT in 1° increments from 90° to 2000° Fahrenheit, and will display a visual alarm (upper light) when you have reached your designated settings. (Gauge can also be programmed for Centigrade readings.) There are two buttons located at the lower portion of the gauge. The RIGHT button increases the chosen number setting; the LEFT button decreases it.
- ◇ 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 (lower light).



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.

Switch - Blue Connect to the ground of the device 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).

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

When connected, the various options will automatically cycle through the display. Temperature settings for the warning alarm light (at the top of the gauge) and the switch are set in increments of 1° at a time, up to a maximum of 2000° F or C. The left button decreases the numbers, while the right button increases them. Once you are at the desired setting, the LED display will stay on the chosen temperature setting for a few seconds, then switch to the NO = **N**ormally **O**pen, NC = **N**ormally **C**losed options.

Use the push buttons on the device face to change the warning light temperature switch categories.. Pushing the buttons again will display °**F** = Fahrenheit, and °**C** = Celsius. Additionally, the left button will provide low temperature recall while the right button is high temperature recall.

This device has 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). The display will briefly stay in Settings Mode. To program the unit after starting the engine, shut the engine off and then turn it back on again.

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.*

Note: *If you do not want to attach this blue wire to any device, it is advisable to cap the wire and secure it to something that will not allow it to come into contact with any other parts.*

Note: *With this gauge, **NO** or normally open means the circuit is not connected until it reaches the desired setting. **NC** means the circuit is connected and current will be able to run through it, until the desired temperature is reached.*

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Lifetime Guarantee



Technical Support

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This product carries a limited Lifetime Warranty.

This warranty is limited to replacement or repair of the unit at the discretion of Intellitronix.