



**Beede Electrical Instrument Company, Inc.**  
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## Alert Gauge Installation Instructions

### Preparation for Installation

**Caution:** Disconnect the positive lead(s) from the battery before making any electrical connections.

**Caution:** Do not drill any holes in panel without first checking for adequate mounting clearance.

**Caution:** Do not tighten any mounting or connection hardware over 6 in/lbs., damage to the gauge case or interior circuitry may result.

1. Select a mounting location for the gauge that provides for easy readability from the operating position.
2. Cut a 2-1/8" diameter hole through the panel in the desired location.
3. Insert the gauge into the mounting hole, place the mounting clamp over the mounting studs and check for fit. For panels over 1/2" thick, it may be necessary to cut the legs of the clamp.

### Installation of Gauge

4. After checking the fit of the gauge and clamp, insert gauge into the panel and install the clamp over the mounting studs. Tighten the clamp onto the studs using the supplied nuts and washers. Tighten the nuts to 6in/lbs.

### Wiring Connections

5. Run a lead from "G" (ground) terminal of the gauge to electrical system ground.
6. Run a lead from "B+" (ignition) terminal of the gauge to "IGN" pole of ignition switch or "I", "12V", or "B+" terminal of another gauge.
7. Run a lead from "S" (sender) terminal of the gauge to the pressure, level or temperature sender. **Note: voltmeters do not require a connection to the "S" terminal. A connection to this terminal on a voltmeter may damage the gauge.**
8. If your gauge is configured for an output, run a lead from the "O" (output) terminal of the gauge to a warning lamp, warning buzzer, or a relay to the shut-down circuit. **Note: The output of the gauge will switch to ground when one of these conditions are met, depending on the gauge; a high or low voltage, low fuel level, low oil pressure, or high temperature. The gauge will handle a maximum load of 150 milliAmperes DC. Attempting to switch more than 150mA will damage the gauge.**
9. Connect one lead of the lamp to ground and the other lead to the panel light switch
10. Re-connect the battery.

