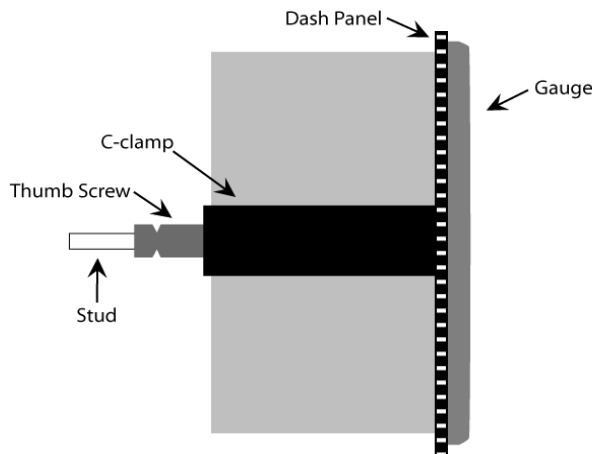
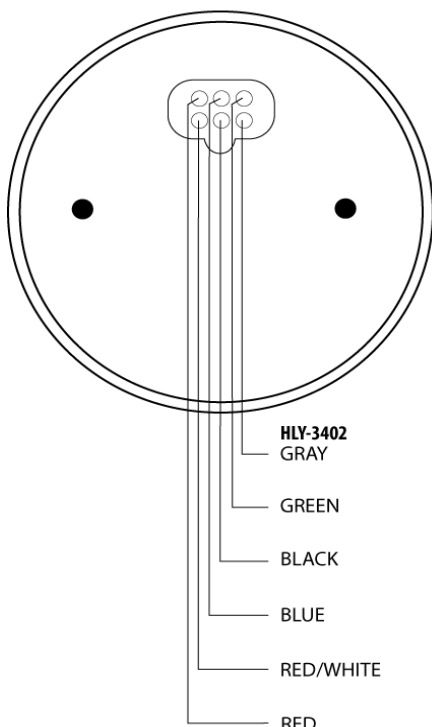




## HLY-3402 2-1/16" multi-gauge display (weather and vibration resistant for exposed environments)



### Function

Connect to oil pressure sender. The sender uses its case for the ground connection. The mounting threads are a tapered dry-seal type. Do not use any sealant on the threads.

Connect to the supplied oil or water temperature sender. The sender threads are a tapered dry seal type. Do not use sealant on the threads.

Connect to a main ground. The gauge needs only the red and black wires connected to light up.

Optional night dimming. When switched to power the display will dim for night viewing. This can be connected to a toggle switch or left disconnected. Typically this will connect to a "parking light" circuit if used.

Connect to fuel level sender, air pressure sender, or leave disconnected. The stock or existing fuel sender can be used with this gauge. If air pressure is desired, Dakota Digital SEN-1031 must be used.

Connect to 12 volt accessory power. The voltage gauge also reads from this power wire.

### Operation:

- The high temperature, low pressure, and low voltage warning points are user adjustable. The factory default settings are 250F, 10psi, and 11.0 volts respectively. The fuel gauge will be factory preset to the 240-33 ohm range.

### Setting up the gauge:

The push button switch on the front of the gauge is used for setup. Make sure the blue wire is not powered during the setup routine, it will interfere with the setup.

- Begin with the key off.
- Press and hold the switch.
- Turn the key on. The display will show "SETUP" "MODE".
- Release the switch. The display will now show "SELECT" and switch between "FUEL", "AIR PSI", "TEMP", "OIL PSI", "VOLTAGE", and "FINISHED".
- To exit, either press the switch when "FINISHED" is displayed or turn the key off.

### Fuel Level Setup:

- When "FUEL" is displayed, press and release the switch.
- The display will show "FUEL" and either "ACTIVE" or "DISABLE". Press and release the switch to change between active and disable. Press and hold the switch to save the setting.
- If disable is selected, the gauge will go back to the main menu, otherwise the current sender setting will be displayed. Press and release the switch to change between the different settings, press and hold the switch to save the setting.
- If custom is selected, the gauge will begin the sender programming, otherwise it will return to the main menu. The display will show "CUSTOM" "SET 00%" and below that the resistance the gauge currently sees on the fuel wire. Adjust the fuel sender to empty and then press and release the switch.
- The display will switch to "SET 33%". Adjust the fuel sender to 1/3 full and then press and release the switch.
- The display will switch to "SET 66%". Adjust the fuel sender to 2/3 full and then press and release the switch.
- The display will switch to "SET 99%". Adjust the fuel sender to full and then press and release the switch.

#### Air pressure Setup:

1. When "AIR PSI" is displayed, press and release the switch.
2. The display will show "AIR PSI" and either "ACTIVE" or "DISABLE". Press and release the switch to change between active and disable. Press and hold the switch to save the setting.
3. If disable is selected, the gauge will go back to the main menu, otherwise the current low warning point will be displayed. Press and release the switch to change the warning point, press and hold the switch to save the setting.
4. The display will now display the current high warning point. Press and release the switch to change the warning point, press and hold the switch to save the setting.

#### Temperature Setup:

1. When "TEMP" is displayed, press and release the switch.
2. The display will show "TEMP" and "UNIT F" or "UNIT C". Press and release the switch to change between Fahrenheit and Celsius, press and hold the switch to save the setting.
3. The display will show the current high temperature warning point. Press and release the switch to change the warning point, press and hold the switch to save the setting.

#### Oil pressure Setup:

1. When "OIL PSI" is displayed, press and release the switch.
2. The display will show the current low pressure warning point. Press and release the switch to change the warning point, press and hold the switch to save the setting.

#### Voltage Setup:

1. When "VOLTAGE" is displayed, press and release the switch.
2. The display will show the current low voltage warning point. Press and release the switch to change the warning point, press and hold the switch to save the setting.

## **SERVICE AND REPAIR**

DAKOTA DIGITAL offers complete service and repair of its product line. In addition, technical consultation is available to help you work through any questions or problems you may be having installing one of our products. Please read through the Troubleshooting Guide. There, you will find the solution to most problems.

**Should you ever need to send the unit back for repairs, please call our technical support line, (605) 332-6513, to request a Return Merchandise Authorization number.** Package the product in a good quality box along with plenty of packing material. Ship the product by UPS or insured Parcel Post. Be sure to include the RMA number on the package, and include a complete description of the problem with RMA number, your full name and address (street address preferred), and a telephone number where you can be reached during the day. Any returns for warranty work must include a copy of the dated sales receipt from your place of purchase. Send no money. We will bill you after repair.

## **Dakota Digital 24 Month Warranty**

DAKOTA DIGITAL warrants to the ORIGINAL PURCHASER of this product that should it, under normal use and condition, be proven defective in material or workmanship within 24 MONTHS FROM THE DATE OF PURCHASE, such defect(s) will be repaired or replaced at Dakota Digital's option.

This warranty does not cover nor extend to damage to the vehicle's systems, and does not cover removal or reinstallation of the product. This Warranty does not apply to any product or part thereof which in the opinion of the Company has been damaged through alteration, improper installation, mishandling, misuse, neglect, or accident.

This Warranty is in lieu of all other expressed warranties or liabilities. Any implied warranties, including any implied warranty of merchantability, shall be limited to the duration of this written warranty. Any action for breach of any warranty hereunder, including any implied warranty of merchantability, must be brought within a period of 24 months from date of original purchase. No person or representative is authorized to assume, for Dakota Digital, any liability other than expressed herein in connection with the sale of this product.

**⚠WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



4510 W. 61st St. North  
Sioux Falls, SD 57107  
www.dakotadigital.com  
dakotasupport@dakotadigital.com

Phone (605) 332-6513  
Fax (605) 339-4106

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