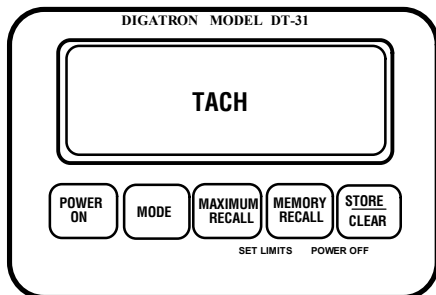


Model DT-31SNL Installation & Operating Instructions

INSTRUMENT CONFIGURATION



WIRE ROUTING NOTES

The following instructions apply to the power harness lead. This lead should always be routed as far away as possible from the ignition system components. (plug wires, spark plugs, ignition coils, distributor or magneto). Leads too close to these components may pick up radiated electrical interference and cause **erratic instrument readings** and operation. A distance of at least 6" from these components is desirable in all installations.

When routing lead wires through any panels, be sure to use a rubber grommet to keep the leads from being cut by a sharp edge.

POWER HARNESS INSTALLATION

P/N SN-LCHBN Your instrument receives power and a tach signal from the lighting coil. Install the harness in the following manner:

Splice the red lead of the lighting coil harness into the hot wire running to your headlight using one of the "set screw" wire connectors provided. Splice the other lead of the lighting coil harness into any convenient ground wire. (Normally any black wire.)

Route the connector end of the harness to the instrument and plug it into the Black pigtail. Twist the connector 1/4 turn to lock it in place.

POWER ON

To turn the instrument on, press the **POWER ON** button. The instrument will turn on after a 2 second delay.

TACHOMETER CALIBRATION

Your instrument comes from the factory with the tachometer calibration set at divide by 2. This is the correct setting for most 2 cycle 2 cylinder applications. If after installing the instrument and starting the motor you find that the tachometer reading is not correct, use the following procedure:

With the motor running, turn the instrument on by pressing the **POWER ON** button. Then, press the **MAXIMUM RECALL** and the **MEMORY RECALL** button simultaneously and hold for approximately 2 seconds. This will put the instrument into the **SET LIMITS** mode of operation, which is indicated by a flashing number in the tach display.

The instrument will show a number between 1 and 21 in the Tach display. The instrument divides the tach input signal by this number in order to display RPM correctly.

Find the correct calibration number for your sled as follows:

Determine the number of poles in the lighting coil you are connecting to and *divide* this number by two. Set the tach calibration to this number.

Common settings:

2 cylinders	set at 2 or 4
3 cylinders	set at 3 or 6
4 cylinders	set at 4 or 6

If you are unsure of the exact TACH calibration number, experiment. For example, if the calibration number is set at "2" and the RPM reading is double what it should be, set the calibration number at "4". Alternately, if the RPM reading is half of the correct value, decrease the calibration number to half it's original value.

To **SAVE** the calibration setting and to exit the "**SET LIMITS**" mode, press the **STORE** button.

Your tachometer is now calibrated and ready for use.

STORE SWITCH

Each time (Up to 3 times) the **STORE** button on the instrument is pressed the current tachometer reading is stored in the instruments memory. The optional **WARNING INDICATOR LIGHT** and the instrument's display will flash briefly indicating a successful store of information.

This instrument contains enough memory to store three sets of tachometer readings. After three sets of readings are stored, additional attempts to store information will be ignored.

In addition to these user stored readings, a **maximum** RPM reading for this "power on" period is stored automatically.

MAXIMUM RECALL

The **MAXIMUM RECALL** button is used to display the **maximum** RPM reading for this “power on” period. Storage of this reading takes place automatically and requires no input from the user.

To display this reading, before turning the instrument off, hold down the **MAXIMUM RECALL** button. The maximum reading will be displayed until the button is released.

MEMORY RECALL

The **MEMORY RECALL** button is used to recall the readings you have stored in memory using either the optional **REMOTE STORE** switch or the **STORE** button on the instrument.

To recall the first RPM reading you have stored, press and release the **MEMORY RECALL** button. The contents of the first memory will be displayed and the *left* decimal point in the display will flash, indicating memory one.

Press **MEMORY RECALL** again for the *second* RPM reading you have stored which will be indicated by the *middle* decimal point.

A third press of **MEMORY RECALL** will bring up the *last* stored reading, indicated by the *right* decimal point.

Press **MEMORY RECALL** once more to return to normal display mode.

POWER OFF

Your instrument will shut off automatically when you turn off your motor. You may also turn the instrument off manually by pressing the **MEMORY RECALL** and **STORE** buttons at the same time.

Any stored data will be lost at the moment the power is turned off. Record or view all stored information before turning the instrument off.

ELECTRICAL INTERFERENCE

If the instrument encounters excessive electrical interference it will display three vertical decimal points (⋮) in the TACH display. This indicates that the stored data could be invalid.

REPAIRS

Your instrument is warranted to be free from factory defects and electronic failure for a period of one (1) year from date of purchase. Physical damage during normal usage is not covered

under the warranty. Be sure to fill out and return your warranty card for our records. If you do not have a card on file for your instrument, repairs will be charged for unless you can provide us with proof of purchase date.

When returning an instrument to us for repair or upgrades, be sure to enclose a note indicating your return address, your phone number and a good description of the problem or the upgrades you want.. There will be a \$20.00 minimum charge on any instrument that is out of warranty. Repairs and upgrades can be paid for by VISA, MASTERCARD, or C.O.D.

Send your instrument for repair or upgrades directly to:

DIGATRON
120 N Wall St., Ste. 300
Spokane, WA 99201

Phone: (509) 467-3128

Fax: (509) 467-2952

If you have any questions about the installation or operation of your instrument please call.

One of our technicians will be happy to help you.

UPGRADES

You may return your instrument to the factory to have the following upgrades added at any time. (Allow two weeks for delivery)

1: Backlighting	\$60.00
2: Memory Limits	\$40.00
3: Remote Store Switch	\$45.00
4: “ Over Limit” light	\$25.00