

GEAR VIEW SPEC. & INSTRUCTIONS

GEAR POSITION INDICATOR FOR SEQUENTIAL GEARBOXES



Specification:

- High intensity display with brightness control
- External sizes:
 - Large 105mm x 76mm
 - Small 45mm x 30mm
- 56 and 25mm units with 1 lead, easily installed to best position
- Gear change counter (re-settable) - counts all gear shifts, 9999
- Programmable for reverse, neutral and up to 8 forward gears
- Splash proof
- Easy installation - connections to 12v ignition switch supply and chassis
- Easy to reprogram if you decide to change gearbox
- All programmed data stored in highly reliable non-volatile memory
- Separate reverse input if required
- All gear positions and counters are maintained when unit is not powered
- Designed for 12v automotive use
- Reverse battery connection and load dump protection
- Current draw at max brightness 100mA, min brightness 10Ma
- Temperature range -40 to 80 °C
- Brightness control from front panel switch
- Does not include gearbox sensor - requires 0-5k device

NB: Will only work with sequential gearboxes, NOT with standard 'H' pattern gearboxes.

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turning power into performance

Operating Instructions

Calibration

The calibration switch is in the hole on the front of the unit and needs a suitable tool to depress the switch. The unit needs to be connected to the gearbox sensor and calibrated to the gearbox using the following procedure:

- 1) Press and hold the calibration switch while turning on the Ignition. 'r' should be displayed flashing slowly. Flashing indicates the unit is in calibration mode
- 2) Put into reverse and press the switch. '0' should now be displayed flashing slowly. [If reverse is not on the same shaft as the sensor the blue wire should be connected to the reverse switch, +12V when in reverse]
- 3) Repeat step 2 for Neutral (0), 1, 2 etc above for all gears. (up to 8 forward gears)
- 4) When all gears have been programmed the display should now display 1 gear higher than there are gears. i.e. a 5 speed box will flash '6'
- 5) Now press and hold the switch until the display no longer flashes
- 6) Check that the unit is calibrated correctly by running through the gears

Gear Change Counter

The gear change counter counts the number of gear changes from the last time the counter was reset. The decimal point indicates it's in the gear change counter mode.

To read the counter:

- a) Put gearbox into neutral (display must read '0')
- b) Press and hold the calibration switch until the display flickers and the decimal point lights. The first number displayed is the number of 1000's
- c) Press the switch to show the number of 100's
- d) Press the switch again to show the number of 10's
- e) Press the switch again to show the number of 1's
- f) If you now want to reset the counter to zero, press and hold the switch until the decimal point goes out, or just press and release the switch to return to the gear view without resetting the counter.