Standard Resistive Gauge 52mm
(Temperature, Pressure, Level, Trim, Rudder Angle Indicator)

Tech Support 1-800-265-1818
http://usa.vdo.com

Instruction Sheet # A2C59519492 Rev 06-2010

Gauge Installation:

1. Select the desired mounting location of the instrument.
2. Mount the gauge and secure with the VDO Spin-Lok™ Clamp.

(See page 2 for mounting options and instructions)

Wiring the Gauge (Illustration A):

1. Route wires from the instrument to:
   (a) the battery (+) switched power after the fuse box or user supplied in-line fuse – 1 amp
   (b) the light switch after the fuse box or user supplied in-line fuse -1 amp

   Note: 24 V applications require a resistor kit.

   (c) a good, dedicated ground location.
   (d) the signal terminal on the sending unit.

2. If using the Warning LED in the gauge and a VDO sender with warning contact (WK) see wiring information in Illustration A)

3. Connect the harness according to the following wiring Matrix:

Pin	Description
1	Red - Switched (+12 V)
2	Black - Ground
3	Blue/Black - Signal Ground *
4	Not Connected
5	Green - Sender Signal
6	Blue/Red - Illumination (+)
7	Yellow/Black - Warning LED (-)
8	Yellow/Red - Warning LED (+)
Note - Use 18 AWG for wire harness	
*** Only needed for isolated ground senders**	

Merchandise warranted against defects in factory workmanship and materials for a period of 24 months after purchase. This warranty applies to the first retail purchaser and covers only those products exposed to normal use or service. Provisions of this warranty shall not apply to a VDO product used for a purpose for which it is not designed, or which has been altered in any way that would be detrimental to the performance or life of the products, or misapplication, misuse, negligence or accident. On any VDO part or VDO product found to be defective after examination by manufacturer, manufacturer will only repair or replace the merchandise through the original selling dealer. Manufacturer assumes no responsibility for diagnosis, removal and/or installation labor, loss of vehicle use, loss of time, inconvenience or any other consequential expenses. The warranties herein are in lieu of any other expressed or implied warranties, including any implied warranty or merchantability of fitness, and any other obligation on the part of manufacturer, or selling dealer.

Read these instructions thoroughly before installation. Do not deviate from assembly or wiring diagram. Always disconnect battery ground before making any electrical connections.

IMPORTANT: Mounting dimensions vary for different gauges. Please be certain to follow the instructions for your specific gauge.

Parts List

Item	Description	Qty
1	52mm Gauge	1
2	Spin-Lok™ Clamp	1
3	Gasket	1
4	8 pin Harness	1
5	Instruction Sheet	1

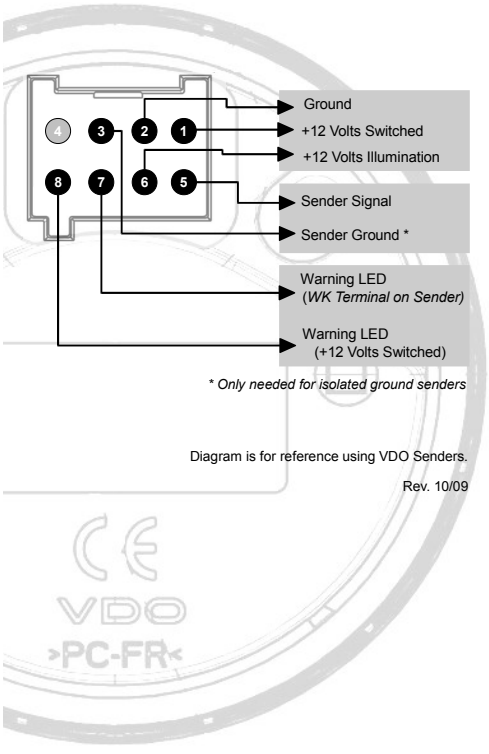


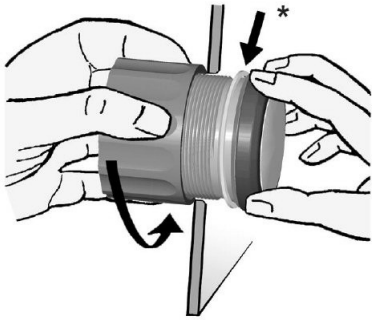
Illustration A

VDO

52mm

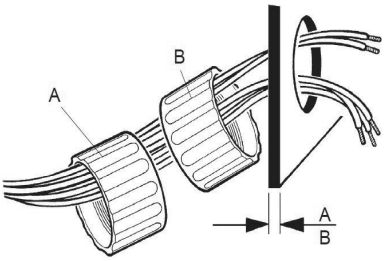
Conventional (Included)

Instrument is put into the drilled hole from the front. The maximum panel thickness is 20mm. The drilled hole must have a diameter of 53mm.



* Make sure the seal lays flat between the panel and the front ring.

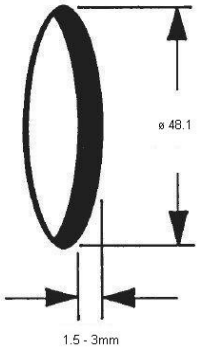
For 52mm instruments, the Spin-Lok™ nut can be mounted at position A or B. This allows you two clamping depths.



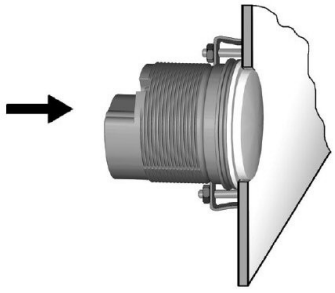
Version A	**Version B**
10mm	20mm

Flush (Optional)

When flush mounting (i. e., from the back so that the instrument glass and the panel form one plane), the front ring must be removed. Press on the instrument glass with both thumbs, while at the same time pulling the front ring forward from the instrument with both index fingers.



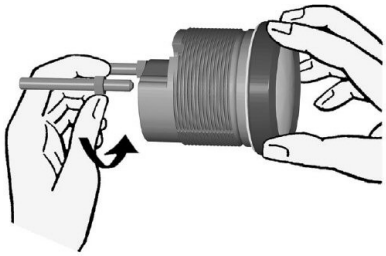
The recommended panel thickness is 1.5 to 3 mm. The drill hole must have a diameter of 48.1mm. Ensure that the installation location is level and has no sharp edges.



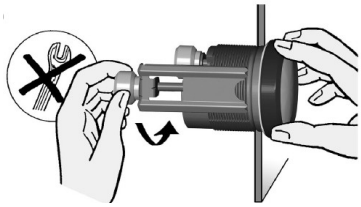
Place the flush mount seal on the instrument glass. Put the instrument into the drill hole from the back. Adjust the instrument so that the gauge is level and fasten it to the stud bolts (not included) on the rear side of the panel, using the flush mount fixing brackets.

Stud (Optional)

If you would like to omit the fastening nut, you may use the stud mount as an alternative. This is recommended if the installation location is subject to extreme vibrations.
Screw the stud bolts into the drilled holes on the rear of the instrument housing. Max. stud bolt torque is 1.5Nm.



Place the bracket on the stud bolt and tighten the knurled nut. Do not over-tighten.



* Make sure the seal lays flat between the panel and the front ring.

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