



Pyrometer 12/24

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

Instruction Sheet # A2C59519498

Rev. B

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
 - (c) a good, dedicated ground location.
 - (d) the signal terminals on the sending unit. Changing the supplied extension cable spade connectors at the gauge side and/or soldering to the gauge harness is acceptable.

DO NOT SHORTEN THE EXTENSION CABLE

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

| Pin | Description |
|------------------------------------|---|
| 1 | Red - Battery constant (+12 / 24 V) |
| 2 | Black - Ground |
| 3 | Blue/Black - Thermocouple Red (Extension Cable White) |
| 4 | Brown - Battery switched (+12 / 24 V) |
| 5 | Green - Thermocouple Yellow (Extension Cable Blue) |
| 6 | Blue/Red - Illumination (+12 / 24 V) |
| 7 | Not Connected |
| 8 | Not Connected |
| Note - Use 18 AWG for wire harness | |

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 | Thermocouple* | 1 |
| 6 | Extension Cable* | 1 |
| 7 | Instruction Sheet | 1 |

**Items 5 and 6 included in kits only

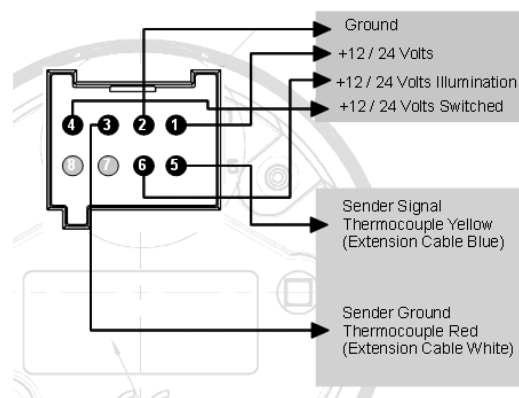


Illustration A

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Rev. B

Sensor installation (Illustration B and C):

1. When installing the pyrometer sensor in the exhaust pipe near the elbow flange the maximum depth to the middle of exhaust pipe is 60mm.
2. Mount the bushing centrally and weld on to exhaust pipe. The weld must form a tight seal. Always follow the safety instructions and advise of the welding equipment manufacturer.
3. Connect the ring terminals on the extension cable to the ring terminals on the pyrometer sensor with the supplied screw and nut.
4. Route the extension cable to gauge location. Keep away from high temperature locations and moving parts.

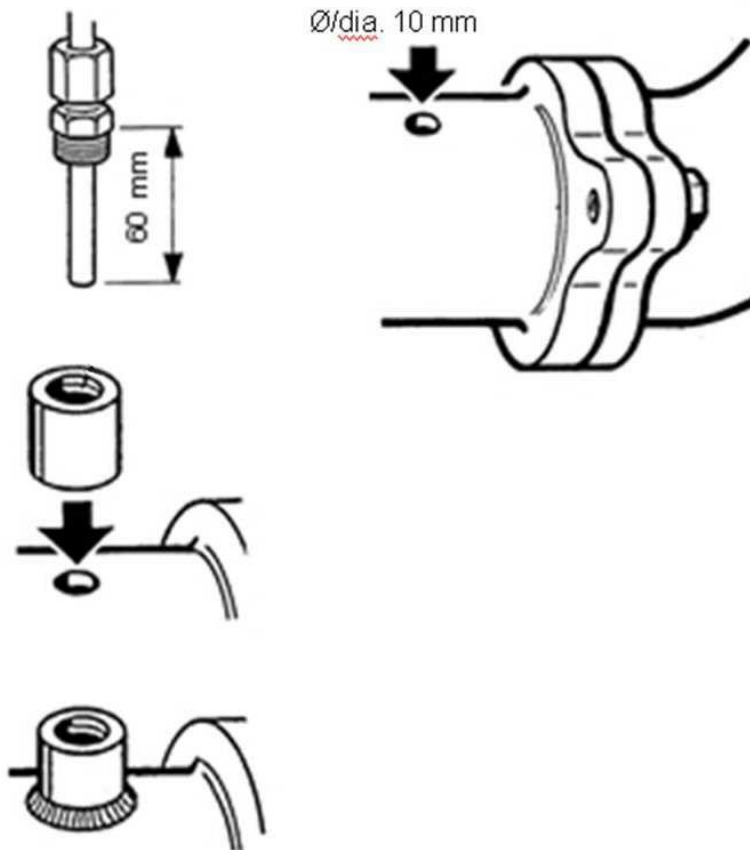


Illustration C

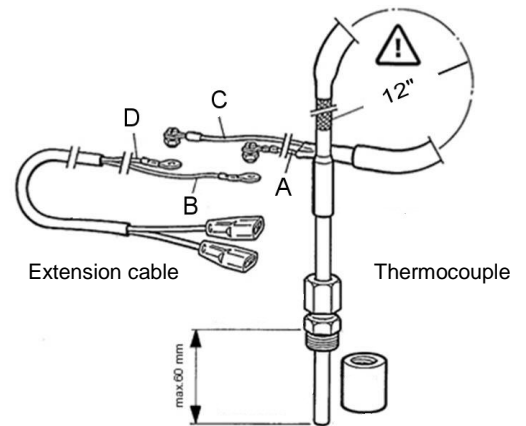


Illustration B

| Wire | Color |
|------|--------|
| A | Red |
| to | |
| B | White |
| | |
| C | Yellow |
| to | |
| D | Blue |

Use the above table and Illustration B to match and assemble the extension cable to pyrometer sensor.