



NON-EXTRACTION OF METER HEAD ASSEMBLY DIGITAL REGISTER CONVERSION KIT

DIGITAL INDICATOR TOTALIZER

(with no output signals)

Model CN08-1 to CN08-2

DIGITAL INDICATOR TOTALIZER TRANSMITTERS

(with 4-20mA and pulse output signals)

Model TR28-1 to TR28-2

DIGITAL INDICATOR TOTALIZER TRANSMITTERS

(with pulse output signal only)

Model TR29-1 to TR29-2

The kit includes:

- (1) Electronic Register, Bonnet Assembly and adapter pigtails
- (1) Gasket – Part Number 1-4371 (As Required)
- (1) Desiccant Bag – Part Number 1-1607-6
- (1) Screw – Part Number 1-1113-6-4
- (1) Wing Nut – Part Number 1-1201-6W
- (5) Mounting Screws – Part Number 1-1115-10-10B

The kit includes all parts and instructions for conversion of existing digital registers to the new revision digital registers without the removal of the sensor. *This can be accomplished without the removal of the meter head assembly from the pipe.*

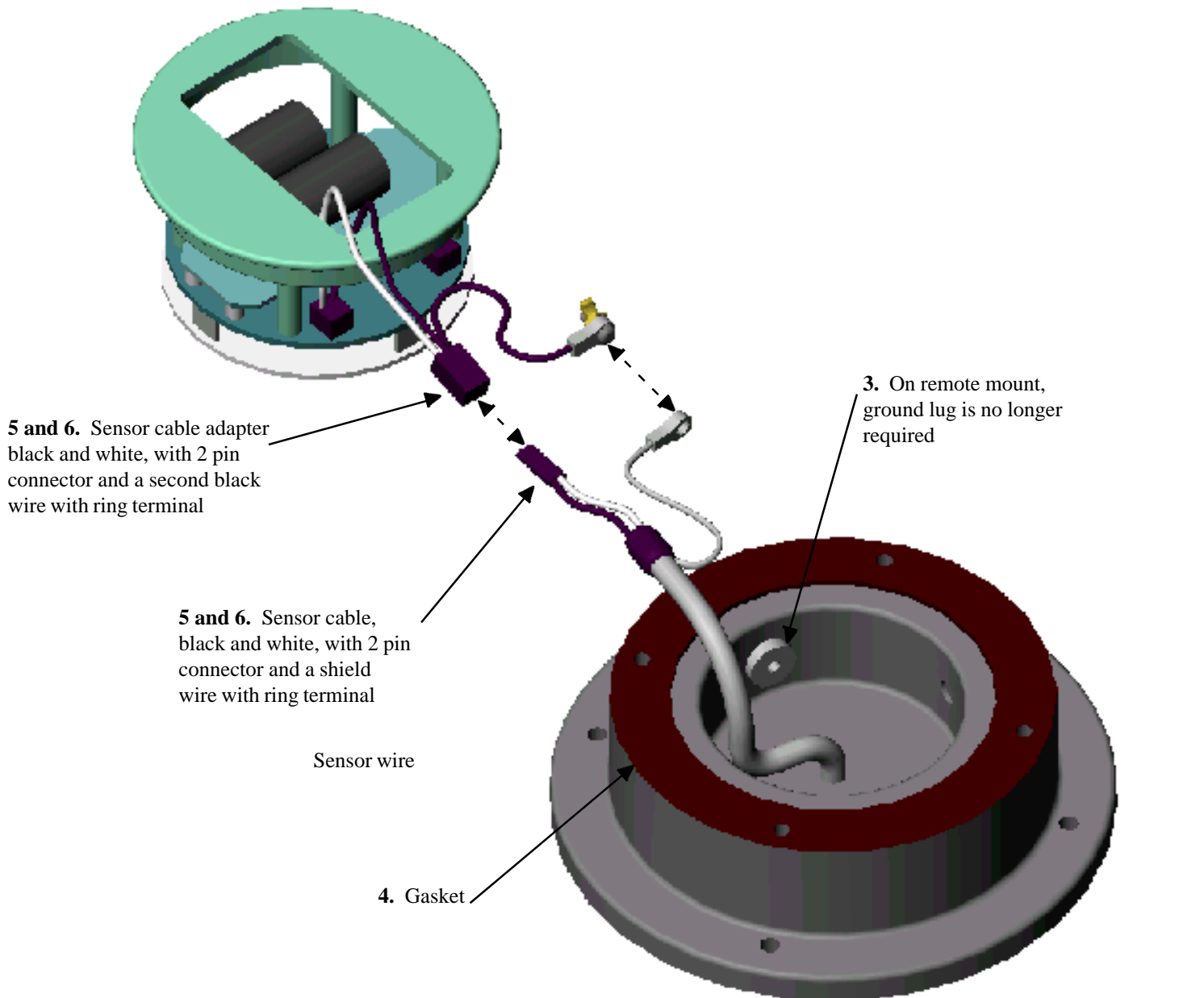
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Model CN08-2 Conversion Instructions



1. Remove the (4) register bonnet mounting screws.
2. Tilt the register and bonnet assembly and disconnect all the signal wires from the back of the register and set the register to the side.
3. If the CN08-1 is remotely mounted, remove the shield wire secured to the inner side of the ground lug.
4. If remotely mounted, install the supplied flat gasket on top of the grey PVC adapter base. **NOTE:** a small amount of contact cement helps keep the gasket in the proper position. (An O-ring is supplied for Meter Head mounting.)
5. Connect the sensor cable shield wire (previously attached to the ground lug) to the small black wire attached to the sensor wire adapter cable sticking out of the back of the new register assembly. Use the supplied screw, washer and wing nut.
6. Connect the signal wire as shown above.
7. If remotely mounted, place the supplied desiccant bag inside the grey PVC base or into the Meter Head cavity if not remotely mounted.
8. Gently stuff the wires down into the grey PVC base, or Meter Head, and set the register assembly on top of the flat gasket or onto the Meter Head cavity.
9. The register can be rotated in 90-degree increments. Position it so it is easily read and re-install the (4) bonnet mounting screws.

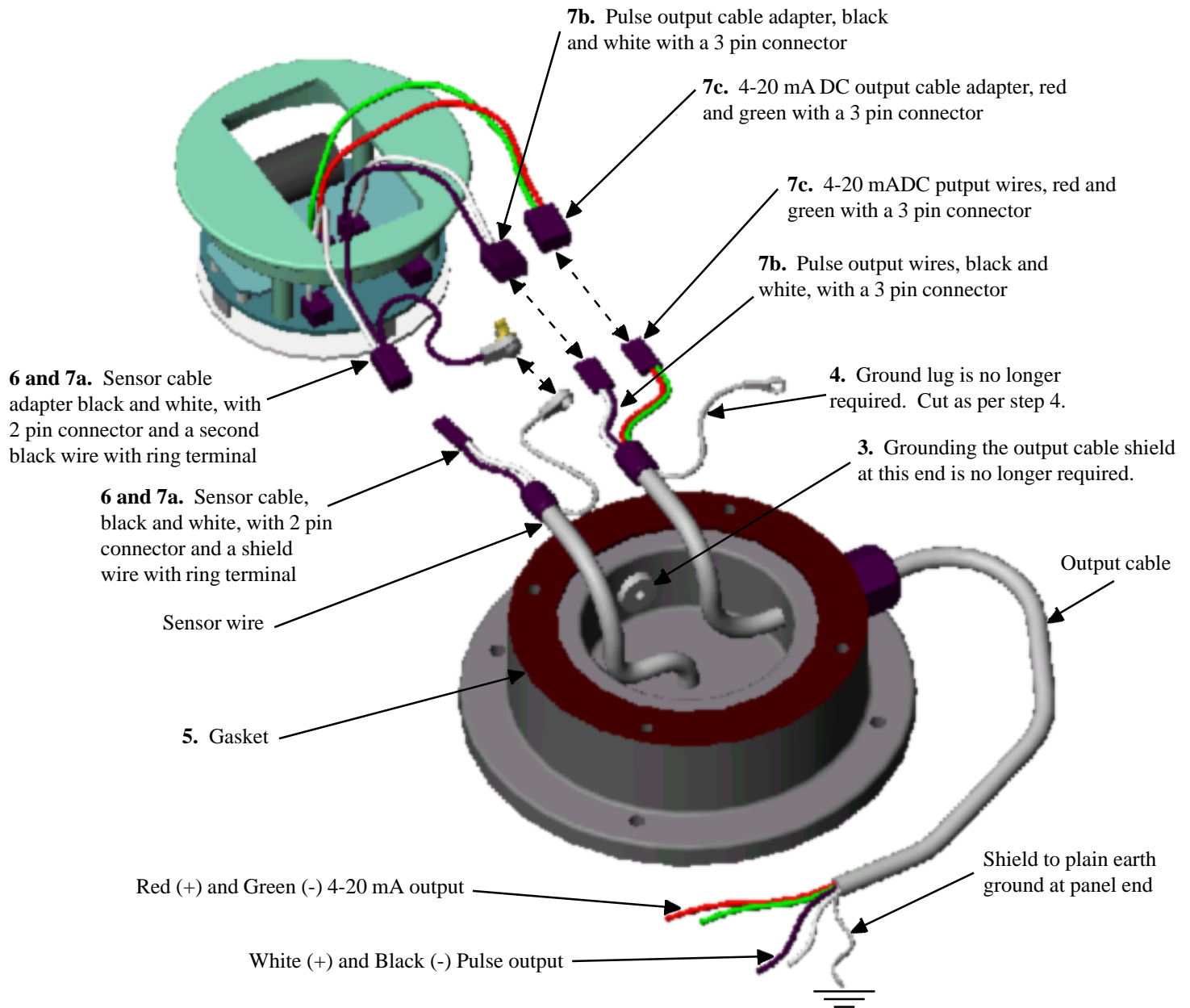
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Model TR28-2 Conversion Instructions



1. Remove the (4) register bonnet mounting screws.
2. Tilt the register and bonnet assembly and disconnect all the signal wires from the back of the register and set the register to the side.
3. Remove both of the shield wires secured to the inner side of the ground lug.
4. Completely cut off the output cable shield flush with the outer jacket.
5. Install the supplied flat gasket on top of the grey PVC adapter base. NOTE: a small amount of contact cement helps keep the gasket in the proper position.
6. Connect the sensor cable shield wire that was previously attached to the ground lug to the small black wire attached to the sensor wire adapter cable sticking out of the back of the new register assembly using the supplied screw, washer and wing nut.
7. Connect all signal wires as shown above. NOTE: all wires are color coded for ease of installation. Also, notice that the connectors only fit one way due to the polarizing pin.
8. Place the supplied desiccant bag inside the grey PVC base.
9. Gently stuff the wires down into the grey PVC base and set the register assembly on top of the flat gasket.
10. The register can be rotated in 90-degree increments. Position it so it is easily read and re-install the (4) bonnet mounting screws.

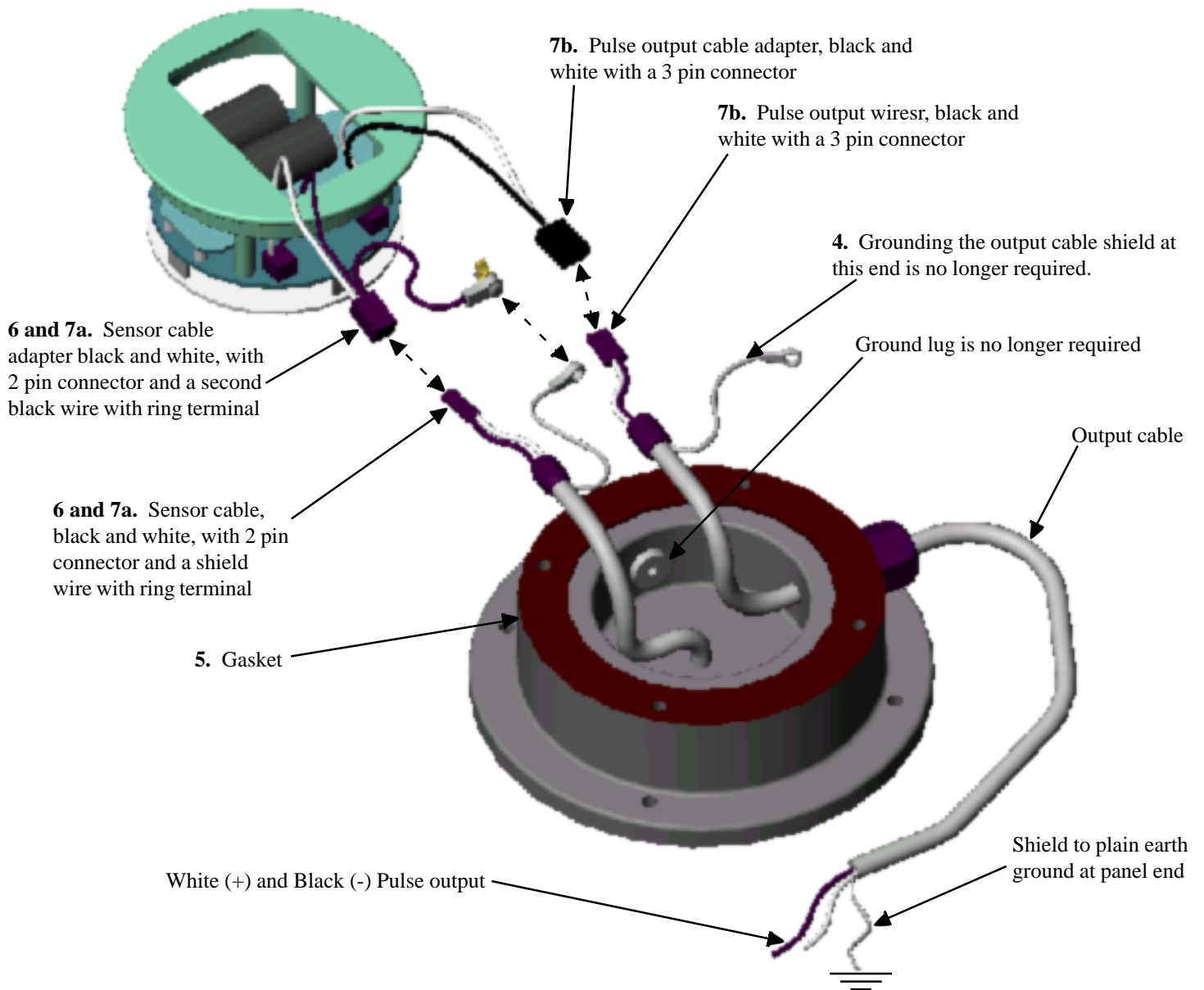
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Model TR29-2 Conversion Instructions



1. Remove the (4) register bonnet mounting screws.
2. Tilt the register and bonnet assembly and disconnect all the signal wires from the back of the register and set the register to the side.
3. Remove both of the shield wires secured to the inner side of the ground lug.
4. Completely cut off the output cable shield flush with the outer jacket.
5. Install the supplied flat gasket on top of the grey PVC adapter base. *Note:* a small amount of contact cement helps keep the gasket in the proper position.
6. Connect the sensor cable shield wire that was previously attached to the ground lug to the small black wire attached to the sensor wire adapter cable sticking out of the back of the new register assembly using the supplied screw, washer and wing nut.
7. Connect all signal wires as shown above. *Note:* all wires are color coded for ease of installation. Also, notice that the connectors only fit one way due to the polarizing pin.
8. Place the supplied desiccant bag inside the grey PVC base.
9. Gently stuff the wires down into the grey PVC base and set the register assembly on top of the flat gasket.
10. The register can be rotated in 90-degree increments. Position it so it is easily read and re-install the (4) bonnet mounting screws.

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