

GE Sensing

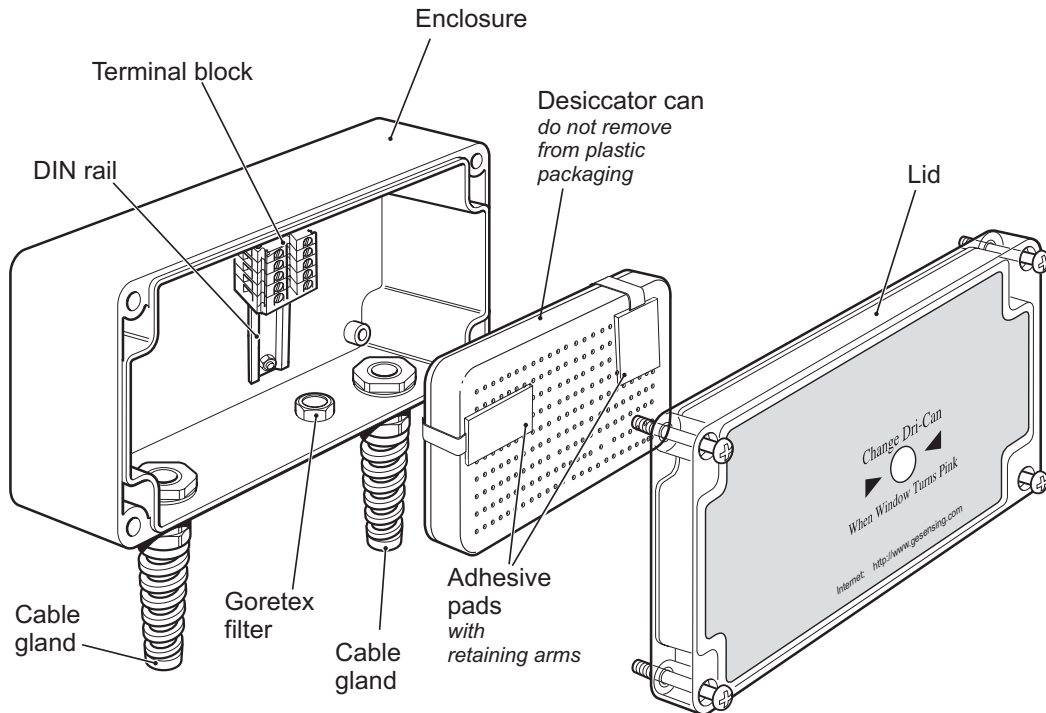
Druck STE Installation and Operation Notes K0255



These notes detail procedures to install and maintain the Druck STE with the minimum of work. Review and become familiar with the whole installation procedure before beginning installation.

The Druck STE is a sensor termination enclosure providing connections between a 'vented' Druck sensor cable and a non-vented instrument cable. It allows barometric pressure reference to enter the enclosure while preventing ingress of water/humidity.

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Installation Instructions

Preparation

1. Unscrew the four captive screws securing the lid. Remove the lid.
2. Remove the desiccator can and leave it in the sealed plastic bag.
3. The unit must be mounted vertically on a suitable surface and secured by four M4 screws (not supplied). Use the template to mark the surface for locating the screws.
4. Insert the sensor cable through the cable gland. Cut the cable to the required length and cut back the outer sheath also to the required length. Cut back the insulation on each wire enough to fit the conductors into the terminal block.
5. Connect the wires into the terminal block in accordance with the sensor installation instructions. Make sure the nylon vent tube is not damaged or blocked.
6. Torque tighten the cable gland to 2.5 Nm. Alternatively, using two 19 mm spanners, tighten the cable gland to just beyond hand tight.

Note: *Make sure the cable gland grips the cable securely.*

7. Repeat steps 4 to 6 for the non-vented instrument cable.

Note: *There must be good continuity between the earth (ground) cables of the sensor and non-vented instrument cable to make sure of good RFI/EMC protection.*

8. Check the Goretex filter is free from debris and water.
9. Remove the desiccator can from the sealed plastic bag. Fit the desiccator can in the lid.
10. Make sure the gasket is in the groove of the lid. Fit the lid on the enclosure and secure with the four captive screws.

Maintenance

The following periodic checks should be made at the recommended intervals of 90 days (four times per year).

Procedure

1. Visually inspect the window in the unit. If the window changes from blue to pink, the desiccator can requires changing or drying.

Note: *The desiccator can absorbs moisture within the unit. It has a very high capacity. The changing or drying requirement depends on the environmental conditions and location of the unit. The recommended interval may need to be changed.*

Changing the desiccator can

2. Remove the desiccator can. Fit the adhesive pads to the new desiccator can and locate in the lid.

Drying the desiccator can

CAUTION: USING A MICROWAVE OVEN OF 900 WATTS AND ABOVE CAN DAMAGE THE DESICCANT.

3. Remove the desiccator can. Place the desiccator can in a microwave oven and heat for intervals of three minutes at full power until the indicator window turns blue. Fit the adhesive pads to the desiccator can and locate in the lid.

Goretex filter

4. Inspect the outside face of the Goretex filter, make sure the filter is free from dirt and moisture.

If necessary, remove any dirt or moisture.

Cleaning

5. Inspect the inside and outside of the unit and, clean if necessary, using a dry, lint-free cloth.

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