

VentGuard Cable Protection Kit

Datasheet VentGuard

Applications

- Protects the vent tube of submersible pressure transmitters from moisture

Special Features

Protection Kit includes the following:

- NEMA 4 / IP 67 cable junction box with transparent polycarbonate cover
- Teflon® vent tube filter
- Reusable desiccant canister regenerates in microwave
- 7 position screw terminal block

Description

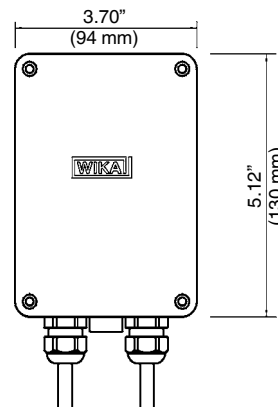
Submersible transmitter cables contain a vent tube that allows the transmitter to automatically compensate for changes in barometric pressure. This tube leads to the back of the sensor inside the transmitter. The transmitter may become damaged if moisture enters this tube.

The submersible cable protection kit is designed for applications where humidity or moisture is present. It should be mounted in a location that will never be submerged. The NEMA 4X junction box features a transparent cover that allows easy viewing of the desiccant canister. The indicating silica gel in the canister changes color from blue to pink when canister regeneration is needed.

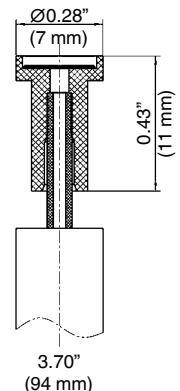
The canister can be regenerated by placing on its end in a microwave oven for approximately two minutes.

A Teflon® vent tube filter provides additional protection against dirt and moisture entering the vent tube.

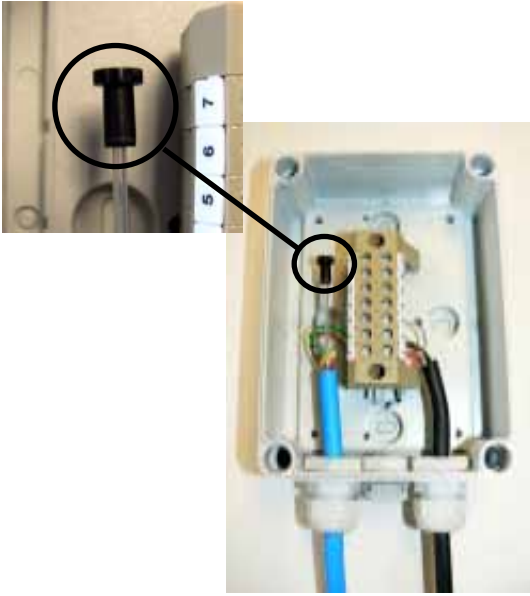
Two compression fittings accommodate the submersible cable entry on one side and standard cable for the exit side.



NEMA 4X junction box with clear cover



Slip-on vent tube filter



The Cable Protection kit includes a teflon vent tube filter protector that slides on to the vent tube after the submersible cable is installed in the junction box. The terminal strip can be oriented vertically or horizontally as required for the application.



Active desiccating canister



Canister regeneration required

The reusable desiccating canister is visible through the plastic cover of the junction box. The canister will adsorb moisture and help keep the air in the junction box dry. When the indicating silica gel changes color from blue to pink the canister can be regenerated.

To regenerate, remove the canister from the junction box. Stand the canister on its end in a microwave oven and microwave on high for about two minutes. Microwave for an additional minute if necessary until the canister contents turn blue. Caution: the canister will be extremely hot when removed from the microwave and should be handled with care. Allow to cool completely before reinstalling inside the junction box.

