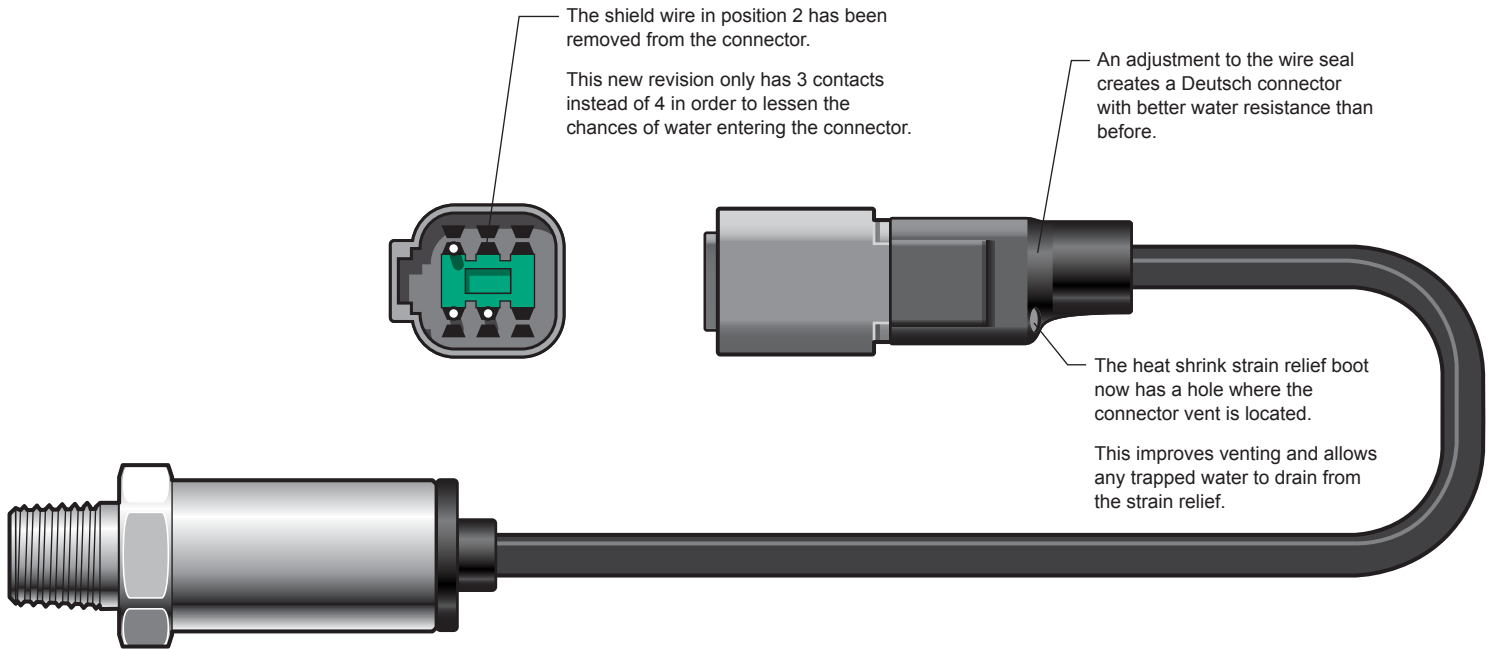




Technical Bulletin: Pressure Transducer

May, 2016

Innovative Controls has revised our Tank Level Pressure Transducer design to improve its reliability and accuracy. The new design features a tighter sealing Deutsch connector for better water resistance. The shield wire (previously in position 2 of the 6 pin connector) has been removed from the Deutsch connector. As a result, this revision only has 3 contacts instead of 4, in order to lessen the chances of water entering the connector. In addition, we will no longer pre-coat the connector with dielectric grease as it may clog the vent tube. Finally, a hole has been placed in the heat shrink strain relief boot to improve venting and to allow any trapped water to drain from this area.



The sensor is protected from contact with the foam or water by a stainless steel diaphragm to prevent freeze-up and other sensor malfunctions related to exposure.

The vent tube to atmosphere remains in order to prevent inaccuracy typically associated with altitude changes.

A large bore allows the media to more easily flush and drain from the sensor housing, thereby preventing clogging caused by mineral deposits.

