



Installation Instructions for Pressure Switches 20PS, 25PS, 29PS, 36PS, and PS80 Product Families

The followings are best practices, or recommendations, for the customers when installing Sensata's pressure switches

1. Device is not to be installed in locations where the switch:
 - a. Submerged under liquid
 - b. Can be physically-impacted by other components in the system
 - c. Can be exposed to condensation
2. For device with threaded fitting:
 - a. Force is applied only on the fitting's hex, no force or impact should apply on the thread, sensor, or base of the switch.
 - b. The amount of torque needed to prevent fluid leaking around the thread is dependent of the application (pressure spikes, maximum pressure, temperature, type of working fluid, etc.). Therefore the installation torque will be determined by the customer.
3. For device with tube fitting (require brazing to connect to system):
 - a. Avoid damaging the tube, since bending for deforming the tube may affect the fluid flow of the system and burst strength of the switch.
 - b. Use wet-rag or other methods as needed to reduce the heat traveling to the switch's body during brazing operation.
4. Do not use part that was exposed to physical damage without confirming the switch's integrity.
5. The wires are not to be in tension after installing into the application.
6. The wires are not to be in contact with other components that can result in fatigue issue due to rubbing over time.
7. The device is not to be directly exposed to pressure washing.
8. When applicable, the label may include the following information:
 - a. Sensata part number
 - b. Customer name and part number
 - c. Pressure setting (actuation pressure)
 - d. Date code: XXX%YY (3 digit number for the julian date followed by build location and last 2 digit number of the build year)
 - e. Temperature setting
 - f. Electrical rating
 - g. Device type
9. Consult the product drawing for more details on pressure switch performance and limitation