

DESIGNING FOR HARSH ENVIRONMENTS

These questions are essential to consider when designing a membrane switch to ensure it functions properly for the life of the switch, no matter what it is exposed to

END USER?

Who will be using this product, plumbers, well-diggers, nurses, utility companies, etc.?



INDOOR/OUTDOOR?

How will this product be used, or what does it do? Will this product be used outdoors? Will it be left outdoors?

EXPOSED TO ELEMENTS?

Will the switch be exposed to water, wind, rain, snow, humidity, gas or other fluids?



CLEANED AFTER USE?

Many environments are conducive to dirt and germs, will it need to be cleaned after use? Are harsh cleaners or chemicals used?

DEGREE OF SEALING

The answers to these questions help design engineers understand the full scope of the product to determine if the switch needs to be sealed and to what degree. Sealing will prevent the electrical components from exposure to liquids or particles that could damage or erode the circuit.

