

TECH NOTE

TN-115 – Mixed Material Constructions

ERECTA SWITCH component sets are designed so that parts of different materials can be combined in a single assembly. This allows the wetted components to be selected for chemical compatibility while non-wetted components (wiring receptacles, relay housings, caps) are selected for cost or other properties.

Common mixed-material combinations include: Kynar (PVDF) wetted components (stem, float, nipple) combined with Polypropylene wiring receptacles and caps; or Acetal floats and stems with Polypropylene connector sets where only the float contacts the process fluid.

When assembling mixed-material configurations, verify O-ring and sealant compatibility with all fluids that will contact each material in the assembly. Non-wetted components in sealed housings are generally not subject to process fluid contact, but assembly lubricants and cleaning agents may contact all surfaces.

ERECTA SWITCH part numbers use material suffixes (PP, AC, KR) to identify the material of the specific component. When ordering mixed configurations, specify the material suffix for each part number individually. Compac Engineering application engineering is available to assist with material selection for complex chemical environments.

Ordering Note

Mixed-material assemblies are not pre-configured as sets. Order individual components by part number and material suffix. Contact sales@compac.com for application engineering assistance with aggressive or unusual chemical environments.