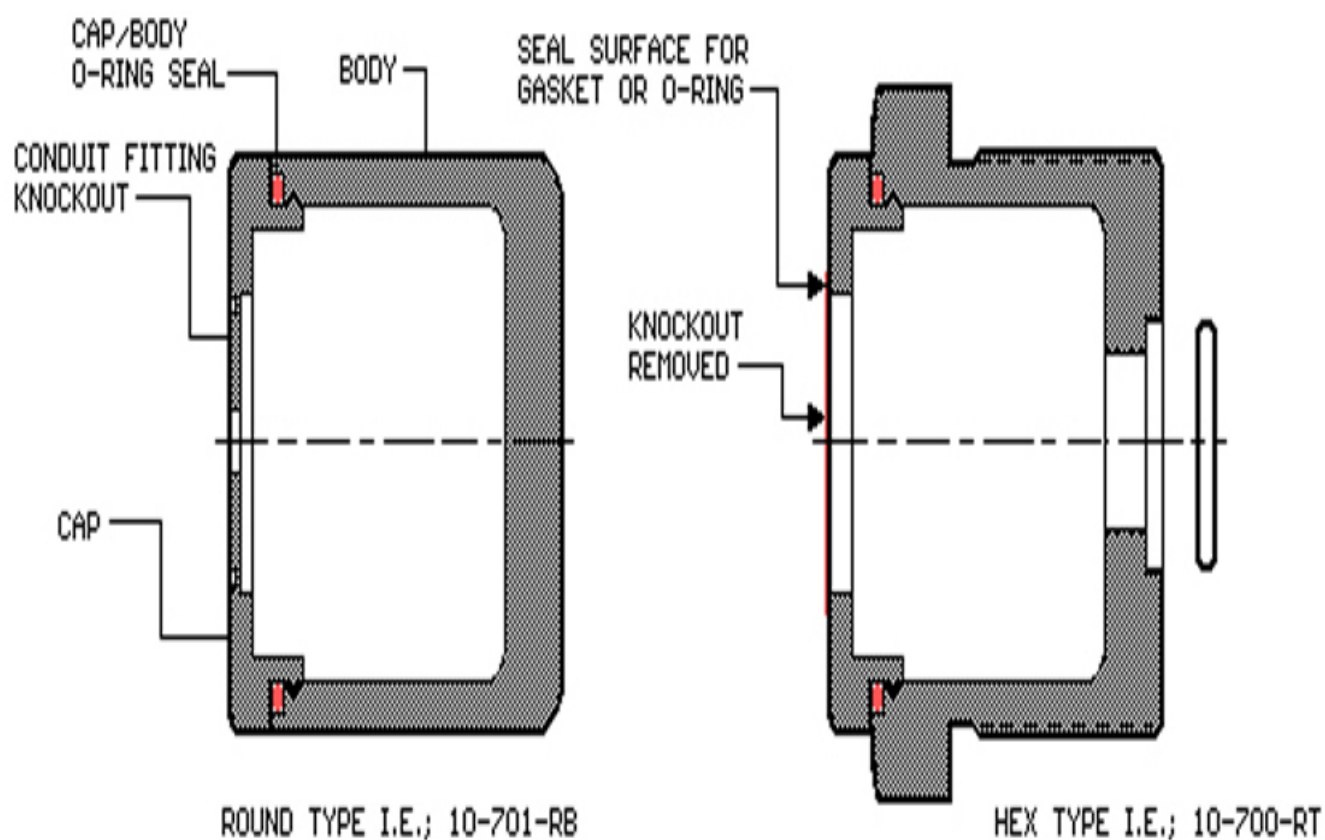


TECH NOTE

TN-105 – Receptacle Body To Cap Seal

The seal between the cap and body of the ERECTA SWITCH round and 1-1/4 hex receptacles is a weather seal. When parts and O-ring seal are correctly assembled, these receptacle structures are weather resistant. They may not, however, be suitable for situations in which the assembly must be submerged in liquid. This O-ring is marginally supported and may not seal in a pressure environment. Further, the reliability of the seal between the cap and outside electrical conduit or appliance is another matter to consider.

Seal integrity may be compromised if sealing surfaces become scarred or otherwise abused during the installation process. To maximize seal integrity at this location, users may want to consider lubricating the O-ring with a moist coating of liquid soap.



Cap/body O-ring seal cross-sections. Left: Round type (10-701-RB) showing cap/body O-ring seal location. Right: Hex type (10-700-RT) with knockout removed, showing seal surface for gasket or O-ring.

Important Note

This O-ring provides weather resistance only — it is not rated for submerged or pressurized applications. When submersion or pressure sealing is required, use appropriate sealed fittings and sealed cable entry methods.