ECI Externally Operated Tap Changer Switch

The Ermco Components, Inc. externally operated, single phase, under oil tap changer switch reduces the hazards associated with manual internal tap changing of distribution transformers. The switch eliminates the necessity to take the transformer down and open the tank to reconnect the coil leads. The tap changer switch permits on the pole voltage conversion while eliminating or reducing many potential hazards; (1) exposure to hot oil, (2) contamination of tank interior, (3) working blind through a hand hole, and (4) reducing exposure to high voltage conductors.

The tap changer switch cap is removed and reversed to make the cap an operating wrench. The cap-wrench is equipped with a key, preventing removal until the switching operation is complete, providing both a visual indication and physical check of the switch position. A yellow dot in the underside of the cap-wrench is aligned with the key to provide position indication.

An indicating arm kit with locking plate and screw is available if conversion from the cap-wrench is desirable. The indicator arm provides more leverage for switch operation and allows the switch position to be determined from the ground level.

CAUTION: De-energize transformer before operating the tap changing switch.

FEATURES:

- Designed for operation under oil.
- Operating shaft is double sealed to prevent leakage.
- Keyed tank hole to prevent switch rotation.
- Cap acts as contamination seal and operating wrench.
- Lead attachment uses only standard tools.
- Rugged electrical grade, non-tracking, arc-extinguishing glass filled thermoset polyester body.
- Skirted body configuration provides long creepage distance.
- Snap action roller contact ensures positive contact at each switch location.
- Connection configurations:
  - Tab type terminals with holes for ¼” dia. bolts.
  - #12 - #10 crimp terminals
  - #16 - #14 crimp terminals
  - #8 crimp terminals

RATINGS:

- Maximum continuous current: 100 Amps
- Current ratings based on contact capability
- Customer must determine adequacy of connections.

IMPULSE:

- 150 kV