Utility Relay Company (URC) manufactures actuators for use with our AC-PRO and ZERO-Hertz series of retrofit kits. Each actuator is built and tested at our Chagrin Falls, Ohio facility. URC manufactures many types and variations of actuators for use on different breakers but they fall into two general categories; manual-reset and auto-reset. The type of actuator supplied with a kit is specified at the time of order.

**Manual-Reset Actuators**
For most breakers, URC offers the option of a manual-reset actuator. After a trip event, the manual-reset actuator stays in the trip position and keeps the breaker trip free. This requires a person to go to the breaker, open the cubicle door, pull or push on a knob to reset the actuator and then ideally review the last trip data saved in the trip unit. After the overload/fault condition is addressed and the actuator is reset, the breaker can be closed. The advantage is that human intervention is required before the breaker is closed again. The disadvantage is that the person resetting the actuator must wear the appropriate PPE.

**Mechanical Auto-Reset Actuators**
For most breakers, URC offers the option of a mechanical auto-reset actuator. The mechanical auto-reset actuator includes a linkage system that connects to the breaker mechanism and resets the actuator as the breaker opens. The advantage is that no one has to open the cubicle door to reset the actuator before the breaker can be closed again after the overload/fault condition is addressed.

**Electric Auto-Reset Actuators**
For some breakers, URC offers the option of an electric auto-reset actuator. The electric auto-reset system does not use linkages to reset the actuator. It includes a reset module that uses the breaker line side voltage to energize a reset coil in the module that resets the actuator after a trip event. The line side voltage taps are protected with current limiting fuses. The electronic circuit in the reset module energizes the reset coil for approximately one electrical cycle after the actuator reaches its end of travel. The advantage is that no one has to open the cubicle door to reset the actuator before the breaker can be closed again after the overload/fault condition is addressed.

**OEM Actuators**
One of the three actuator types on this sheet is included with each complete retrofit kit sold by Utility Relay Company. In addition, URC trip units can sometimes use existing OEM actuators. If you are interested in one of those applications please contact URC for more information.