

**3597 Gate Mechanism Arm Service Operation:**

**Gate Arm Service (Power Down) Mode:**

When a gate arm is knocked off, and the controlled gate arm knock-off operation has completed, the counterweights and the gate arm adapter channel rest in a mostly vertical position. It is necessary to position this assembly in the horizontal position to install a replacement gate arm. The 3597 incorporates a three position rotary contactor for this purpose. In the run position, the gate operates normally and the EGM is connected into the circuit.

In the test position, the circuitry is disconnected from the motor and the EGM is connected to the circuit. In the down position, full power down is applied to the motor to drive the counterweights to the horizontal position. In this position the EGM is disconnected from the circuits. The counterweights are held in the horizontal position via a 1/2" ratchet wrench with 7/8" socket. When the contactor switch is released, it automatically spring returns to the test position and places the EGM back into the circuit. See page 32 for specific instructions.

The service mode of the 3597 mechanism allows for a total of 12, forty-seven pound counterweights (required for a 40 foot gate) to be operated when a minimum of 11 vdc power is maintained at the mechanism motor.