



Theory of Operation: 354 / 355 Lights

Note

Refer to wire diagrams for input and output voltages.

Theory of Operation

Line voltage

Line voltage is supplied thru the line fuses to the primary winding tap of the transformer. If too much current is drawn by the by the lighting system's circuitry, the line fuses(s) blow.

Transformer

Transformer is configured with three different primary input taps which can be adjusted for varying facility voltages. (Refer to wire diagrams for specific voltages and wire colors.)

When the ON / STANDBY switch is switched to ON, the output voltage from the transformer secondary tap is applied across the bulb assembly causing the bulb to illuminate. Turning the ON / STANDBY switch to STANDBY opens the circuit, causing the bulb to stop illuminating. However, power is still applied to the primary side of the transformer.

TP210 Rev. A