



**ST7700 Series**

The ST7700 Series locking-type photoelectric controls are constructed with cost effective materials and are designed specifically to replace electromechanical photocontrols. The ST7700 Series can be expected to have better On to Off ratios, a higher level of reliability and longer life than electromechanical designs.

**Features and Benefits**

- Meets or exceeds ANSI C136.10 specifications
- Extended life with Heavy Duty Relay
- Non-chatter load break
- Reduced maintenance costs
- Replaces electromechanical photocontrols

**Application**

Series FP7700 state-of-the-art, controls are designed for industrial, commercial, street and highway luminaires equipped with locking-type receptacles. The control's "easy-to-test" instant ON feature makes it ideal for HID lighting in hard to reach locations.

**Specifications**

<b>Photocell:</b>	Encapsulated Silicone Sensor
<b>Housing:</b>	UV-resistant, high-impact, polypropylene cover with clear UV-stabilized high impact Polycarbonate window. Meets ANSI / cUL color-coded standards
<b>Turn-On:</b>	1.0 footcandle (fc) nominal
<b>Turn-On/Off Ratio:</b>	1:1.5 Average turn-on to turn-off ratio
<b>Rated Life:</b>	5,000 operations minimum at rated load
<b>Temperature Range:</b>	-40°C to +70°C (-40°F to +158°F)
<b>Dimensions:</b>	3.078" Dia.; 2.219"H
<b>Surge Protection</b>	<ul style="list-style-type: none"> <li>▪ 190 Joule (6,500 Amps) MOV</li> <li>▪ 380 Joule (10,000 Amps) MOV</li> </ul>

**Ordering Information**

**ST7790B - E S S - BK**

Operating Voltage	
ST7760	105 - 130 Vac
ST7772	185 - 305 Vac
ST7790B	105 - 305 Vac
ST7793	347 Vac
ST7794	480 Vac

Surge Protection	
S	190 Joule
M	190 Joule
E	380 Joule

Photocell	
S	Cds replacement
P	Silicon

Turn-On Foot Candles	
S	1.0 fc
5	2.0 fc
7	3.0 fc
9	4.0 fc

Globe Cover Color	
GY	Gray (120V Std)
MR	Maroon (240V Std)
BL	Blue (105-305V Std)
BK	Black
BR	Brown
GR	Green (347V Std)
YE	Yellow (480V Std)

Note: FAIL OFF version available upon request

**Not recommended for LED installations**

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