



FP7500 Series Photocontrols

The FP7500 Series is a direct replacement for the now obsolete Cadmium photosensor technology. This photocontrol was designed to the same characteristics and can be used where Cadmium photosensors are called out in older specifications. The FP7500 series is for use with HID luminaire operations and is not susceptible to operational "drift" caused by harsh environments or by overheating.

Features

- Meets or exceeds ANSI C136.10
- Proven DC circuit design
- Close 1:1.5 On to Off operating ratio
- Non-chatter load break
- Phototransistor maintains operational levels throughout its life
- 12 year expected life
- Low power consumption = extended life
- Close ratio reduces burning hours at sunrise
- Significantly reduced energy and maintenance costs

Specifications

| | |
|------------------------|--|
| Housing: | UV stabilized, impact resistant polypropylene |
| Base: | High temperature ABS |
| Contact Blades: | Solid brass, three prong, locking type |
| Gasket: | Cross linked polyethylene |
| Packaging: | Individual units are sealed in water resistant plastic |
| Weight: | 3.0 oz. each, 20 lbs. per 100 unit carton |
| Size: | 16" x 16" x 12" per 100 unit carton |

Operating Voltage

| | |
|--------------------------------|--|
| Load Rating: | 1000 Watt tungsten, 1800 VA |
| Life at rated load: | 5,000 Operations (13.7Years) |
| Power Consumption: | 1.0 watts average @ 120 volts 1.6 watts average @ 208 volts 1.9 watts average @ 240 volts 2.1 watts average @ 277 volts |
| Moisture Resistance: | 100% RH |
| Surge Protections: | • 190 Joule (6,500 Amps) MOV • 380 Joule (10,000 Amps) MOV |
| Operating Light Levels: | +/- 0.1 fc. from specified turn-on level 1:1.5 Average turn-on to turn-off ratio |
| Photosensor: | Encapsulated phototransistor |
| Dielectric Strength: | 5,000 Volts between any current carrying part |
| Ambient Temp. Range: | -40°C to +70°C (-40°F to + 158°F) |

Ordering Information

FP7571C - M C B C

| Operating Voltage | |
|--------------------|---------------|
| FP7571B FP7571C | 105 - 130 Vac |
| FP7572B FP7572C | 185 - 305 Vac |
| FP7573B FP7573C | 105 - 305 Vac |
| FP7574B FP7574C | 420 - 530 Vac |

| Surge Protection | |
|------------------|-----------|
| M | 190 Joule |
| E | 380 Joule |

| Turn-On fc | |
|------------|--------|
| B | 1.0 fc |
| C | 1.5 fc |

| On / Off Ratio | |
|----------------|-------|
| B | 1:1.5 |
| C | 1:1.5 |

| Globe Cover Color | |
|-------------------|---------------------|
| A | Gray (120V Std) |
| B | Maroon (240V Std) |
| C | Blue (105-305V Std) |
| D | Black |
| E | Brown |
| F | Green |
| G | Yellow (480V Std) |

Note: FAIL OFF version available upon request

Not recommended for LED installations

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