



## 8000 SERIES PHOTOCONTROL

### ELECTRONIC, ULTRA LONG LIFE, HIGH PERFORMANCE

#### KEY FEATURES

- Multi-volt operation
- High-temperature housing and components
- 25 mm, 20 kA, 300 Joule MOV Standard
- Meets or exceeds ANSI C136.10

TE Connectivity's (TE) advanced technology 8000 Series Photocontrol provides a unique, durable, and multi-volt control especially designed for twenty year operation.

Aluminum electrolytic capacitors have a rated lifetime of only 5000 hours at 105°C. TE has eliminated electrolytic capacitors in the 8000 series, resulting in a truly long life control. Double-sided, plated-through, glass epoxy FR4 circuit board along with a 30 Amp rated at 120VAC relay ensures that our control will surpass 20,000 ON/OFF operation cycles per ANSI C136.10.

Like all of TE's electronic controls, the 8000 Series utilizes our inter-locking base/cap design for excellent environmental housing. High temperature base material, rated at a minimum 138°C, along with a UV stabilized, opaque housing ensure our control will last over 20 years without degradation.

TE uses a process of IR filtering a phototransistor which in turn gives a human eye response along with long-term, drift free light sensing for the life of the control.

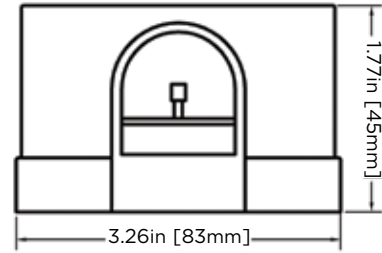
**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

## 8000 Series Photocontrol



TE's photocontrols can be used to safely control luminaries with incandescent, HID, LED, or compact fluorescent lamps.

TECHNICAL INFORMATION	
Rated Volts	105 - 305 VAC
Frequency	50/60 Hz
Operating Light Levels	Standard 1.5 Fc ON (optional 1 - 3 Fc)
Time Delay ON/OFF	Instant ON, 2 - 5 second delay OFF
OFF/ON Ratio	1.5 : 1
Fail Mode	ON or OFF
Surge Protection	25 mm, 20 kA, 300 Joules MOV
Rated Life	20 years



### ANSI Standard Cap Colors

120V  
208/240/277V  
120/208/240/277V

Fail ON	Fail OFF
Gray	Orange
Maroon	—
Blue	Green

SPECIFICATION	
Physical	Dimensions: approx. 3.26" [83mm] dia. x 1.77" [45mm] high (not including contacts)
	Enclosure: designed to meet ANSI C136.10
	Power consumption: less than 0.5 watts at 120 VAC
Temperature	Minus 40°C to plus 65°C at 96% RH
Control	DC Electromagnetic switch type exceeds 20,000 ON/OFF operations per ANSI C136.10
Relay Rating	30 Amp General Purpose Relay
Load Rating	1000 Watt Tungsten 1800 VA
Light Sensor	Non-drifting Phototransistor
Cover	High impact polypropylene with UV stabilized polycarbonate window
Base	High temperature polyester (PBT)
Gasket	Cross-linked polyethylene
Connection	3-pole locking-type with solid brass legs

### HOW TO SPECIFY

The 8000 series offers almost unlimited options ensuring your lighting network needs will be met.

**8 0 90 - V F S - \_ \_ - \_ \_**

#### Series (Fail Mode)

8 = 8000 (ON)

#### OFF/ON Ratio

0 = 1.5 : 1

#### Voltage

90 = 120/208/240/277

#### MOV Surge Protection

V = 300J, 510V, 20,000A, 25mm

#### Light Sensor

F = IR Filtered Phototransistor

#### Cap Color

(Leave blank if ANSI Standard)  
BL = Blue  
BK = Black  
BR = Brown (Bronze)  
GN = Green  
GR = Gray  
MR = Maroon  
YL = Yellow  
OR = Orange

#### Fail OFF Option

FO = Fail OFF Option  
(leave blank if Fail ON)

#### Turn-On Level

1 = 1.0 Fc  
S = 1.5 Fc (ANSI Std)  
2 = 2.0 Fc  
3 = 2.6 Fc

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