



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.

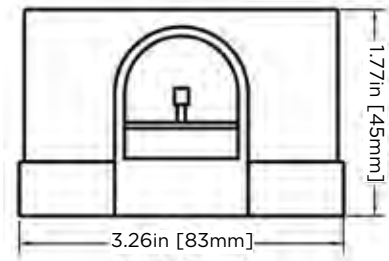
Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

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
 Gray
 Maroon
 Blue

Fail OFF
 Orange
 —
 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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