



## 7000 SERIES PHOTOCONTROL

### HIGH PERFORMANCE, LOW COST, UTILITY GRADE CONTROL

#### KEY FEATURES

- Multi-volt operation
- High-temperature housing and components
- 20mm, 15 kA, 480 Joule MOV Standard
- Reliable, versatile, high performance, and low cost
- Meets or exceeds ANSI C136.10

TE Connectivity's (TE) advanced technology 7000 Series Photocontrol provides a unique mix of low-cost, long-life, and multi-volt operation for demanding Roadway Lighting applications.

The 7000 Series Photocontrol unique design considerably improves the relay life. By surpassing 20,000 ON/OFF operations per the ANSI C136.10 standard, its expected life is 8-10 years.

Like all of our electronic controls, the 7000 Series utilizes our interlocking base/cap design for superior environmental protection.

IR Filtered Phototransistor gives a human eye response along with long-term, drift-free light sensing.

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

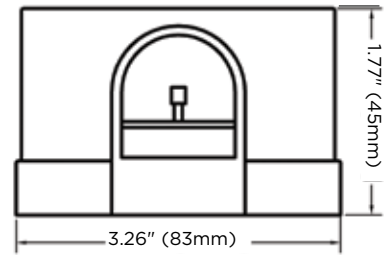
## 7000 Series Photocontrol



The 7000 Series is the result of over fifty years of experience designing and delivering superior photocontrols and other lighting accessories in the US and around the world.

TECHNICAL INFORMATION	
Rated Volts	05 - 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
Surge Protection	20mm, 15 kA, 480 Joules MOV
Rated Life	8 years

Meets the CENELEC HD 629.1



### ANSI Standard Cap Colors

120V	Gray
208 / 240 / 277V	Maroon
120 / 208 / 240 / 277V	Blue

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 7000 series offers almost unlimited options ensuring your lighting network needs will be met.

**7 0 90 - V P S - \_ \_**

#### Series (Fail Mode)

7 = 7000 (ON)

#### OFF/ON Ratio

0 = 1.5 : 1

#### Voltage

60 = 120  
72 = 208/240/277  
90 = 120/208/240/277

#### MOV Surge Protection

V = 480J, 320V, 15,000A, 20mm

#### Cap Color

(Leave blank if ANSI Standard)

BL = Blue  
BK = Black  
BR = Brown (Bronze)  
GN = Green  
GR = Gray  
MR = Maroon  
YL = Yellow

#### Turn-On Level

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

#### Light Sensor

P = Phototransistor  
F = IR Filtered Phototransistor

[te.com/energy](http://te.com/energy)

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