



## BF SERIES PHOTOCONTROL

### THERMAL, INDUSTRIAL GRADE WITH SURGE PROTECTION

#### KEY FEATURES

- 180 Joule MOV surge protection
- Heavy-duty thermal bi-metal switch
- 30 - 45 second time delay
- UL | CSA Listed
- ANSI C136.10 compliant
- Fail mode is ON

TE Connectivity's (TE) BF Series offers a locking style control ideal for industrial and commercial lighting applications.

The BF Series is engineered to meet the needs of virtually every outdoor lighting control application utilizing HID luminaires with locking style receptacles. Typical applications include parking lots, security lighting, street, and other types of area lighting.

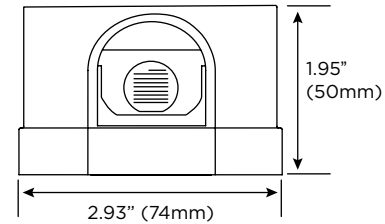
Controls include a heavy-duty thermal bi-metal switch that provides a 30 - 45 second time delay. This virtually eliminates unwanted lamp cycling that could be caused by lightning, car headlights, or other sudden changes in ambient light level. BF controls are also equipped with 180 Joule MOV to protect both the photocontrol and luminaire from sudden surges in line voltage.

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

## BF Series Photocontrol



The BF 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.



### PRODUCT SELECTION INFORMATION

Model	Rated Volts	Range (Volts)	Load Rating Tungsten (Watts)	Load Rating Ballast (VA)	Surge Protection (Joules)	Turn ON (Fc)	OFF/ON Ratio
BF-120	120	105 - 130	1000	1800	180	1.5	4 : 1
BF-208-277	208/240/277	185 - 305	1000	1800	180	1.5	4 : 1
BF-PV	120 or 208/240/277	105 - 305	1000	1800	180	1.5	4 : 1

### SPECIFICATION

Physical	Dimensions: approx. 2.93\" (74mm) dia x 1.98\" (50mm)
	Enclosure: designed to meet ANSI C136.10
	Power consumption: less than 0.9 watts (avg.) at 120 VAC
Temperature	Minus 40°C to plus 65°C at 96% RH
Switch	SPST thermal bi-metallic exceeds 7500 ON/OFF operations at rated load
Load Rating	000 Watt Tungsten 1800 VA ballast
Cover	High impact Noryl with UV stabilized acrylic window
Base	High temperature polyester (PBT)
Gasket	Cross-linked polyethylene
Connection	3-pole locking-type with solid brass legs
Light Sensor	1/2\" Cadmium Sulfide (Cds) Cell

### TECHNICAL INFORMATION

Rated Volts	105 - 305 VAC
Frequency	50 - 60 Hz
Operating Light Levels	Standard 1.5 Fc ON
Time Delay	30 - 45 Second Delay ON and OFF
OFF/ON Ratio	4 : 1
Fail Mode	ON
Surge Protection	180 Joules
Rated Life	4 years



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### FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Benelux:	+ 32 16 351 731
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
China:	+ 86 (0) 400-820-6015