

ELECTRONIC DIRECT WIRE-IN PHOTOCONTROLS

"The Performance of an Electronic Twist-lock in a Button Control"

DESCRIPTION

B Series electronic "button type" photocontrols have the same features and performance of electronic twist-lock photocontrols. Energy efficiency is maintained with tight On/Off ratios and "non-drift operation". Maintenance costs are reduced through a cool running DC circuit. Life expectancy is up to three times longer than traditional heat generating thermal relay designs. The **B Series** uses the same field proven electronic circuit design as is used in Sun-Tech high performance twist-lock photocontrols.

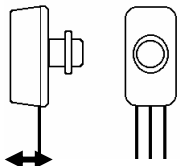
FEATURES

- Meets or exceeds ANSI C136.10.
- Proven DC circuit design.
- Close 1:1.5 on to off operating ratio.
- Non-chatter load break.
- Surge Protected Electronic Circuit.
- Heavy duty construction.

BENEFITS

- 12 year expected life.
- Low power consumption and extended life from "cool" operating DC circuit.
- Close ratio reduces burning hours at sunrise.
- Extended life and accuracy from non-drift operation throughout its life.
- Significantly reduced energy costs.
- Significantly reduced maintenance costs.

MECHANICAL SPECIFICATIONS



Housing:

UV stabilized, impact resistant thermal plastic.

Window:

UV inhibitive and absorbing acrylic.

Lead Wires:

#18 AWG, 12" long.

Packaging:

Individual units are sealed in water resistant plastic.

Weight:

3.0 oz. each, 20 lbs. 100 carton.

Carton Size:

16" x 16" x 12" Master carton 100 pieces

Warranty: 6 Year 1 for 1 replacement warranty.

B Series

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OPERATING SPECIFICATIONS

Operating Voltage:

<u>Model</u>	<u>Voltage</u>
B120	105 - 130
B124	105 - 305
B240	195 - 305
B480	420 - 530

Load Rating:

1000 Watt tungsten, 1800 VA

Life at rated load:

5,000 Operations (13.7 Years)

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.

Standard Surge Protections:

- 90 Joule.
- 160 Joule.

Operating Light Levels:

+/- 0.1 fc. from specified turn-on level.
1:1.5 Average turn-on to turn-off ratio.

Photosensor:

- Conformally coated cadmium sulfide photocell.
- Encapsulated phototransistor.

Dielectric Strength:

5,000 Volts between any current carrying part.

Ambient Temperature Range:

-40°C to +70°C (-40°F to + 158°F).

CROSS REFERENCE

Sun - Tech

B120
B240
B124

Dark to Light

DB120
DB240
DB124

ORDERING INFORMATION

B120 - 1.0 - S T M

Model

B120 (105 - 130V)

B124 (105 - 305V)

B240 (195 - 305V)

Turn-On

1.0 fcs. On

1.5 fcs. On

2.0 fcs. On

Photosensor

S CdS Photocell

P Phototransistor

Time Delay

_ No Delay *

T 3-5 Sec. Delay

Surge Protection

_ 90J MOV *

M 160J MOV

* No Letter



54 Commercial St. * Raynham, MA 02767 USA

Ph:(508) 821-1597 * Fax:(508) 822-0593 * email: info@sun-tech.biz * www.sun-tech.biz * www.fisherpierce.com