

# Photoelectric Control

## Photocell 102FAA



### Application

The 102FAA Photoelectric Control is used for the control of different airport lighting systems such as airport beacons, edge lighting, obstruction lighting and floodlighting.

The 102FAA photoelectric control conforms to FAA requirements for airway obstruction lighting, ie. 35 foot-candles turn-on and above 58 foot-candles turnoff.

The 102FAA has a built-in time delay that prevents false cycling caused by lightning flashes or stray light sources.

Input voltage is 120 VAC and load switching capability is 1800 VA.

### Specifications - 102FAA Photoelectric Control

Housing:	UV-stabilized high-impact polypropylene
Photocell:	1/2-inch cadmium sulfide light sensitive element
Time Delay:	Minimum 15 seconds
Switch Type:	Single-pole, single-throw thermal switch. Contact position normally closed.
Temp. Range:	-40 °F to 170 °F (-40 °C to 76.7 °C)
Rated Life:	5,000 operations minimum at rated load
Surge Protection:	320 joule MOV (Metal Oxide Varistor)
Dimensions:	3.07" (78 mm) diameter x 2.15" (55 mm) high

### Ordering Codes

Photoelectric Control Only	102FAA
Socket w/Mounting Bracket	M2A

### Accessories - M2A Receptacle

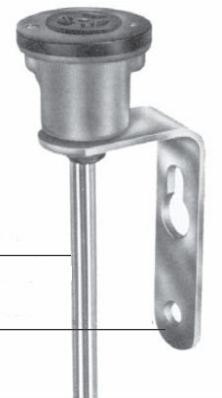
Receptacles for photo control designed specifically for outdoor lighting. Conforms to ANSI/NEMA standards.

Locking-type receptacle with aluminum angle bracket for wood pole, cross arm or wall mounting. All-weather locking type receptacle and Lexan housing. With 14-inch 14 AWG color-coded wire as follows: line-black, neutral-white, load red. Threaded stem fits through a 0.5-inch (12.7 mm) knockout.

### Dimensions

Receptacle:	2.625 in (66.675 mm) diameter (socket), 2.625 in high (including 0.5-inch stem).
Bracket:	4.5 in (114.3 mm) high, 2.75 in (69.85 mm) deep.

**Note:** Receptacle has a load rating of 15 amps at 120 volts.



3 - #14 Color-coded Conductor 14" Long

Aluminum Mounting Bracket

M2A Socket and Mounting Bracket