

AEC Series

Photocell Control Panel and AEC-C series Photocells

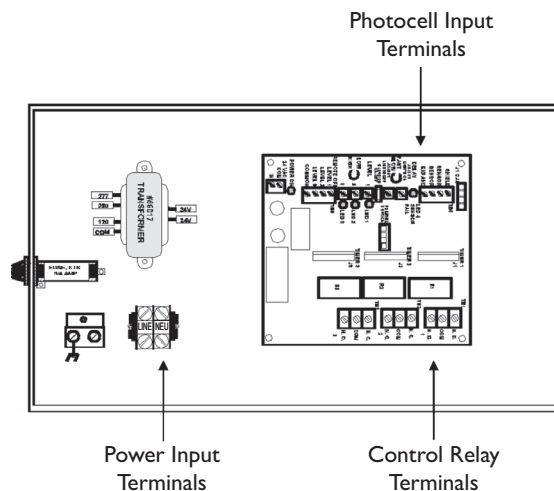
Type:	Job:	Approvals:
Catalog Number:	Controller used with AEC-C series photocells. System specification and configuration based on application and requirements.	Date: Page 1 of 2
AEC-PC(3) PILOT Three Stage Photocell Switching Controller	AEC-C Series Photocell(s)	

Overall Dimensions (for reference only)

AEC-PC(3) PILOT controller

NEMA 1 enclosure

Dimensions: 10.0" H x 18.0" W x 4.0" D
(25.24 cm x 47.72 cm x 10.16 cm)



Specifications

System Overview

For Bi-Level or Tri-Level HID switching systems utilizing magnetic ballasts.

The AEC-PC(3) PILOT photocell controller is used to provide a switching function based on ambient lighting conditions. The controller is capable of providing switching control at up to 3 distinct lighting levels, based on input from a single AEC-C series photocell.

The choice of indoor or outdoor photocell will determine the overall footcandle range within which the controller will operate.

The photocell controller may be used as a stand-alone device, or in conjunction with Philips Wide-Lite BOB or BOT HID lighting control systems.

The AEC-PC(3) PILOT photocell controller provides three independently adjustable control switching circuits, allowing three different setpoints. Relays provide dry contact switching at the pre-selected setpoints.

Controller Specifications

Power Input

120 VAC, 220-240 VAC, or 277 VAC. 50/60 Hz.

Fuse

0.75 Amp, externally accessible.

Control Output Relay Ratings

5 Amp @ 277 VAC.

The three relays are not connected to power input.

Control Output Voltage

May be 120 VAC - 277 VAC as required per system.

Control Input

Low voltage, photoresistive photocell.

Control Range

Determined by Photocell type:

photocell	description	range
AEC-C-1A	Indoor Ceiling Cell	2 to 200 FCe
AEC-C-9A	Indoor Skylight Cell	100 to 2,500 FC
AEC-C-9B	Indoor Skylight Cell	25 to 800 FC
AEC-C-5A	Outdoor Cell	2 to 200 FC
AEC-C-5B	Outdoor Cell	25 to 800 FC

Enclosure

NEMA 1 type, surface mount enclosure with screw cover, concentric knock-outs four sides, gray enamel finish.

Listings

UL/cUL Listed to 916. Suitable for use in ambients from -17°C (0°F) to 41°C (105°F). The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

Warranty

Standard 5 Year Limited Warranty.

The current Philips Wide-Lite Warranty may be found at www.wide-lite.com (keyword: warranty) as well as the current Standard Terms and Conditions of Sale (keyword: terms).

All sales of items in this catalogue shall be subject to the Philips Wide-Lite Standard Terms and Conditions of Sale current at the time of shipment. If you do not have a copy of the Philips Wide-Lite Warranty and Standard Terms, please contact the factory for same prior to ordering.

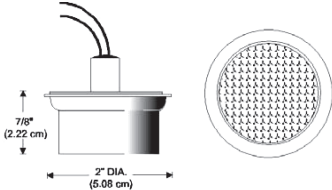
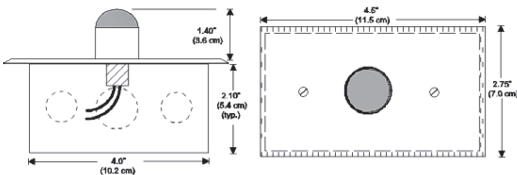
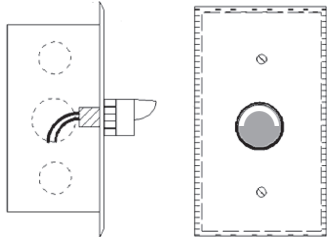
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Photocell Control Panel and AEC-C series Photocells

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Photocell Control Panel	Photocell
<input checked="" type="checkbox"/> AEC-PC(3) PILOT	<input type="checkbox"/> AEC-C-1A Indoor photocell, Ceiling mount 2 to 100 FC range
	<input type="checkbox"/> AEC-C-9A Indoor photocell, Skylight well mount 100 to 2,500 FC range
	<input type="checkbox"/> AEC-C-9B Indoor photocell, Skylight well mount 25 to 800 FC range
	<input type="checkbox"/> AEC-C-5A Indoor/Outdoor photocell 2 to 200 FC range
	<input type="checkbox"/> AEC-C-5B Indoor/Outdoor photocell 25 to 800 FC range

Photocell Details (AEC-C series)

AEC-C-1A	Indoor photocell, Ceiling mount 2 to 100 FC range	Allows the user to control lighting loads based on contributed natural lighting from windows and skylights. Photocell is supplied with a self-adhesive backing, requiring no mounting hardware. Photocell is placed facing down, mounted through a 3/8" hole in the ceiling. Placement should ensure the photocell will not monitor fixtures under its control. Typical placement is 6' (1.8M) to 8' (2.4M) from window.	
AEC-C-9A	Indoor photocell, Skylight well mount 100 to 2,500 FC range	Allows the user to take full advantage of daylight contribution from skylights. The photocell monitors average illumination as viewed from the skylight, dependent on range of footcandle sensitivity selected.	
AEC-C-9B	Indoor photocell, Skylight well mount 25 to 800 FC range	Photocell should be located near the center of the skylight well, facing up. Placement should ensure the photocell will not monitor fixtures under its control. Photocell is furnished in single gang box with stainless steel faceplate. Photocell body is threaded for 1/2" NPT fitting, if removal of box is required.	
AEC-C-5A	Indoor/Outdoor photocell 2 to 200 FC range	Allows the user to control lighting loads based on natural lighting levels. The photocell monitors average illumination as viewed from outdoors, dependent on range of footcandle sensitivity selected.	
AEC-C-5B	Indoor/Outdoor photocell 25 to 800 FC range	The Photocell should be placed horizontally, facing northern open sky. Placement should ensure the photocell will not monitor fixtures under its control. Photocell is furnished in single gang box with stainless steel faceplate. Photocell body is threaded for 1/2" NPT fitting, if removal of box is required.	

Notes