

EFKB Series Photocontrol

Explosionproof, Dust-Ignitionproof

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D | Class II, Division 1 and 2, Groups E, F, G | Class III | NEMA 3, 7BCD, 9EFG

Applications

- Encapsulated photocontrol provides automatic dusk-to-dawn lighting control.
- Typical applications include walkways, security areas and any other outdoor lighting application.
- Factory sealed photocontrol confines arcing of device within the enclosure, preventing ignition of atmospheres.
- Used in classified areas where flammable vapors, gases or highly combustible dusts are present.
- For installation in chemical and petrochemical plants, refineries and other process industries, or where corrosive elements are present.

Features

- Finish is an epoxy powder coat for enhanced corrosion resistance.
- Corrosion-resistant stainless steel hex-head captive screws hold cover to body.
- Factory sealed enclosure eliminates need for adding sealing fittings and compound at each conduit entrance (for Class I, Division 1 and 2, Groups C and D and Class I, Division 2, Group B applications).
- For Class I, Division 1, Group B installations, external seals must be installed at each conduit entrance.
- Accurately tapped, tapered hubs for tight, rigid joints and ground continuity.
- Smooth, rounded integral bushing in each hub protects conductor insulation.



EFKB-PC120 + EFD150ANLQ

- Sealing chamber has smooth, double flanges that mate both to cover and mounting enclosure to provide flame-tight joints.
- Temperature range: -25 °C to +40 °C (-13 °F to +104 °F).

Standard Materials

- Body: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Cover: copperfree (4/10 of 1% max.) aluminum



Standard Finishes

- Body and cover: body, triple-coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat

NEC/CEC Certifications and Compliances


- UL Standards: UL 508, UL 1203
- CSA Standards: CSA C22.2 No. 14, CSA C22.2 No. 25, CSA C22.2 No. 30
- cULus Listed: E81751

Photocontrol Kit — Separate EFD Cast Hub Device Box (Step 1) and Photocontrol in EFD Cover (Step 2)

	Voltage Range	Device Box Type	Hub Size (Inches)	Photocell Catalog Number	Device Box Catalog Number	
					Iron	Aluminum
Step 1: EFD Single Gang Cast Hub Device Box — Order separately						
	N/A	Dead-End	1/2	—	EFD150NLQ	EFD150ANLQ
			3/4	—	EFD175NLQ	EFD175ANLQ
			1	—	EFD110NLQ	EFD110ANLQ
	N/A	Feed-Thru	1/2	—	EFDC150NLQ	EFDC150ANLQ
			3/4	—	EFDC175NLQ	EFDC175ANLQ
			1	—	EFDC110NLQ	EFDC110ANLQ

Step 2: Photocontrol Relay Cover for installation in EFD Cast Hub Device Box — Order separately

— Supplied with four captive stainless steel bolts

	120 V, 50/60 Hz	N/A	N/A	EFKB-PC120	—	—
	208-277 V, 50/60 Hz	N/A	N/A	EFKB-PC277	—	—

Dimensions in Millimeters (Inches)

Hub Size (Inches)	A	B	C
1/2 & 3/4	136.7 (5.38)	155.7 (6.13)	19.81 (0.78)
1	139.7 (5.50)	160.3 (6.31)	23.9 (0.94)

