

EFDB™ Series Factory Sealed 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.



EFDB150PC120

- Temperature range: -25 °C to +40 °C (-13 °F to +104 °F).
- Turn On 1 to 3 footcandles; Turn On/Turn Off ratio: 1:3.

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: E10449 (EFDB and EFDCB Series), E81751 (EFKB Series)

Replacement Parts for Remote Photocontrol

Voltage	Max. Current (A)	Max. VA	Hub Size (Inches)	Catalog Number — Dead-End		Catalog Number — Feed-Thru	
				Iron Body	Aluminum Body	Iron Body	Aluminum Body
120 V, 50/60 Hz	8.3	1000	1/2	EFDB150PC120	EFDB150PC120A	EFDCB150PC120	EFDCB150PC120A
			3/4	EFDB175PC120	EFDB175PC120A	EFDCB175PC120	EFDCB175PC120A
			1	EFDB110PC120	EFDB110PC120A	EFDCB110PC120	EFDCB110PC120A
208-277 V, 50/60 Hz	3.5	1000	1/2	EFDB150PC277	EFDB150PC277A	EFDCB150PC277	EFDCB150PC277A
			3/4	EFDB175PC277	EFDB175PC277A	EFDCB175PC277	EFDCB175PC277A
			1	EFDB110PC277	EFDB110PC277A	EFDCB110PC277	EFDCB110PC277A

Replacement Parts for Remote Photocontrol

Voltage	Current (A)	Max. VA	Catalog Number — Complete Cover Assembly	Catalog Number — Photocontrol Only
120 V, 50/60 Hz	8.3	1000	EFKB-PC120	PC120X
208-277 V, 50/60 Hz	3.5	1000	EFKB-PC277	PC277X

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)

