

PCD2 Series Factory Sealed Hazardous Location Photocontrol

For Use in Class I, Division 2, Groups A, B, C, D Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | NEMA 4X

Applications

- Encapsulated photocontrol provides automatic dusk-to-dawn lighting control in Class I, Division 2 locations.
- Typical applications include walkways, security areas and any other outdoor lighting application.
- Photocontrol Kit can be installed remotely to any Appleton™ luminaire, or be installed directly to the luminaire wiring compartment using a 3/4 in. close conduit nipple or 3/4 in. 90° elbow.

Features

- Factory sealed design eliminates the need for an explosionproof enclosure.
- Can be easily installed in the field.
- Maintains Class I, Division 2 rating for all Appleton Mercmaster™ III and Mercmaster LED Series luminaires.
- Available for 120, 208, 240, or 277 volts.
- Minimum time delay: 15 seconds to eliminate nuisance tripping.



Photocontrol Kit for Field Installation

- Provided with (3) 18 AWG stranded leads 152.4 mm (6 in) in length.
- Supplied with two stainless screws and neoprene gasket (FS-GKR-1N).

Materials

- Encapsulated with epoxy sealing compound
- FS Cover: iron or aluminum

NEC/CEC Certifications and Compliances

- UL Standard: 1604 – Hazardous (Classified) Locations
- cULus Recognized

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

Voltage Range	Max VA	Max VA	Max Current Amps	Photocell Catalog Number	Device Box Catalog Number Iron	Device Box Catalog Number Aluminum
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Step 1: FS Cast Hub Device Box — single gang 2.00 in. deep FS Box, with one 3/4 in. bottom hub entry — Order separately

— Connect FS Box to luminaire wiring compartment with 3/4 in. close conduit nipple or 3/4 in. 90° elbow. Purchased separately from other supplier.



N/A	N/A	N/A	N/A	—	APP-FS-1-75	APP-FS-1-75-A
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Step 2: Photocontrol in FS Cover for installation in FS Cast Hub Device Box — Order separately

— Supplied with two stainless screws and neoprene gasket, catalog number: FS-GKR-1N



120 V, 50/60 Hz	1000	1000	8.3 Amp	FSKA-PC120D2	—	—
208 V, 50/60 Hz	1000	1000	4.8 Amp			
240 V, 50/60 Hz	1000	1000	4.2 Amp	FSKA-PC247D2	—	—
277 V, 50/60 Hz	1000	1000	3.6 Amp			

Mounting Hood with Factory Installed Photocontrol ①

Mounting Hood	Hub Size	Photocontrol Option	Catalog Number
Pendant	3/4" NPT	120 V	KPA75PC12D2
		208 V, 240 V, 277 V	KPA75PC24D2
	1" NPT	120 V	KPA100PC12D2
		208 V, 240 V, 277 V	KPA100PC24D2
Wall	3/4" NPT	120 V	KPWB75PC12D2
		208 V, 240 V, 277 V	KPWB75PC24D2
	1" NPT	120 V	KPWB100PC12D2
		208 V, 240 V, 277 V	KPWB100PC24D2
25° Stanchion	1-1/4" NPT stanchion	120 V	KPS125PC12D2
		208 V, 240 V, 277 V	KPS125PC24D2
	1-1/2" NPT stanchion	120 V	KPS150PC12D2
		208 V, 240 V, 277 V	KPS150PC24D2
90° Stanchion	1-1/4" NPT stanchion	120 V	KPST125PC12D2
		208 V, 240 V, 277 V	KPST125PC24D2
	1-1/2" NPT stanchion	120 V	KPST150PC12D2
		208 V, 240 V, 277 V	KPST150PC24D2

① Fixtures with photocontrols are cCSAus rated and available for 120-277 Vac only.

The following ratings do not apply: IP, Marine Outside Type (Salt Water), Class II, NEMA. The luminaire remains suitable for wet locations.