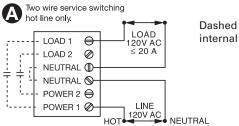


PCR SERIES

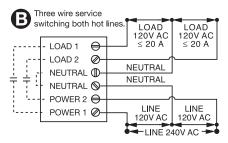
Photo Control

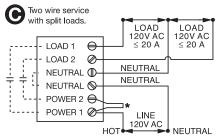


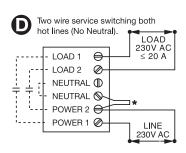
Wiring Diagram



Dashed lines are internal connections.







*Customer Supplied Jumper

Description

The PCR Series of photo controls is a combination of precision electronic circuitry, electromechanical output, and unique molded plastic housing. Designed and built to meet the demands of the most rigorous requirement of tower and obstruction lighting control, each unit is factory calibrated to meet FAA and FCC specifications. Electronic circuit, output contactor, and terminal block are all contained within front plastic housing. Edge support molded into the bottom edge of housing allows easy wiring of new and existing installations. Available with or without cast aluminum junction box.

Operation

When the amount of light sensed falls below the actuation level for energization, the output relay energizes. Conversely, when the amount rises above the actuation level for de-energization, the output relay de-energizes.

Features & Benefits

FEATURES	BENEFITS	
ABS plastic housing with gasket seal	Withstands outdoor environmental hazards and protects circuitry from moisture damage	
Two 20A relay contacts Allows direct control of a lighting circuit without separate contactor		
Fixed time delay	Eliminates contact chatter	
Reliable photo sensor	Provides automatic lighting circuit operation from dusk to dawn	

Ordering Information

		REPLACES		
MODEL	DEL INPUT [DESCRIPTION	Hughey & Phillips	Crouse Hinds
PCR10	120VAC	Photo Control without aluminum box	n/a	n/a
PCR11	120VAC	Photo Control with aluminum box	S800PC120	52010
PCR12	230VAC	Photo Control without aluminum box	n/a	n/a
PCR13	230VAC	Photo Control with aluminum box	S800PC240	52010-1

Flashers and Tower Lighting Controls

Tower and Obstruction Lighting Controls



PCR SERIES

Specifications

Indication LED indicates power is applied

Light Actuation Levels

(Factory Calibrated) Energized: ≤ 35 fc
De-energized: ≥ 60 fc

Voltage 120VAC or 230VAC AC Line Frequency 50/60Hz

Tolerance

120 & 230VAC -20% - 10%

Output Rating Two SPST NO 20A contacts

1 hp @ 120VAC 2.5 hp @ 240VAC

Termination Screw terminals for up to #8 (M4 x 0.7)

AWG wire

Dimensions H 159.51 mm (6.28"); **W** 127 mm (5.0");

D 131.75 mm (5.19")

Mounting ABS plastic housing with gasket seal. Multiple

knockout holes for optional mounting to Crouse Hinds or Hughey & Phillips cast

aluminum electrical boxes.

Operating/Storage

Temperature -40° to 60°C / -55° to 85°C