



Custom pre-assembled 2-pole lighting contactor panel in a NEMA 4X rated enclosure. Includes Hand-Off-Auto (HOA) selector switch and exterior photocell for versatile manual and automatic lighting control. Factory wired, assembled, and tested for reliable commercial and outdoor lighting applications.

KEY FEATURES

- ✓ NEMA 4X rated enclosure for outdoor and corrosive environments
- ✓ Electrically held 2-pole lighting contactor, 30A @ 600VAC
- ✓ Hand-Off-Auto (HOA) selector switch for manual or automatic control
- ✓ Exterior photocell for automatic dusk-to-dawn operation
- ✓ 120VAC coil voltage, 28VA
- ✓ Screw terminal connections accept 14–8 AWG conductors
- ✓ Fiberglass enclosure with corrosion-resistant finish
- ✓ Surface or channel mountable with through-hole mounting flanges
- ✓ All components UL listed
- ✓ Factory assembled, wired, and tested

SPECIFICATIONS

Poles	2	Photocell	Included (exterior mount)
Contactor Type	Electrically held	Enclosure Rating	NEMA 4X
Load Rating	30A @ 600VAC	Enclosure Material	Fiberglass
Coil Voltage	120VAC, 28VA	Operating Temperature	-40°F to +131°F (-40°C to +55°C)
HOA Switch	3-position (Hand / Off / Auto)	Humidity	0% to 95% non-condensing

ELECTRICAL SPECIFICATIONS

Line Voltage	120/277VAC, 50/60Hz
Coil Voltage	120VAC
Coil Burden	28VA
Switching Capacity	30A @ 600VAC, all lighting load types
Load Wire Size	14–8 AWG solid or stranded, 75°C copper
Coil Wire Size	18–14 AWG
Photocell Leads	#18 AWG, 6" pigtail
UL Category Code	NLDX / NLDX7

DIMENSIONS

Height:	16 in (406mm)
Width:	12 in (305mm)
Depth:	6 in (152mm)

MOUNTING

Surface or channel mount to a suitable wall or structure using the included through-hole mounting flanges. Install by a qualified electrician in accordance with applicable NEC requirements and local codes. Maintain required working clearances per NEC 110.26. Seal all conduit entries to maintain NEMA 4X rating. Wiring Configurations — Photocell Only: Connect line supply (L1) to photocell Black lead and neutral to White lead. Connect photocell Red lead directly to contactor coil terminal (A1). At dusk the photocell closes, energizing the coil and closing the load circuit. At dawn the photocell opens, de-energizing the coil and opening the load circuit. Wiring Configurations — HOA Switch + Photocell (standard for this panel): In the AUTO position, the photocell controls the contactor coil — load switches ON at dusk and OFF at dawn automatically. In the HAND position, the contactor is energized regardless of photocell output (load forced ON). In the OFF position, the contactor is de-energized regardless of photocell output (load forced OFF). Connect line supply to photocell input. Connect photocell output to HOA switch AUTO input. Connect HOA switch output to contactor coil terminal (A1).

ORDERING INFORMATION

Part Number	Description
CUST-PNL-02POLE-NEMA4X-HOA-PHCL	CUSTOM PANEL, 2 POLE, NEMA 4X, HOA SWITCH, PHOTOCCELL

UL508A

cUL

NEMA 4X

Nuvospec
www.nuvospec.com
sales@nuvospec.com
(512) 615-9002