



Spec-grade pre-assembled lighting contactor panel for switching high-power lighting loads in commercial, industrial, and government facilities. BAA compliant and Made in the USA. Features electrically held lighting contactors, optional 7-day astronomic timeclock, photocell, and HOA switch in a UL-listed NEMA 1 or NEMA 3R steel enclosure. Fully wired and factory tested — plug-and-play installation.

## KEY FEATURES

- ✓ BAA compliant — Made in the USA
- ✓ Plug & play, pre-assembled and factory tested enclosure
- ✓ Electrically held 30A lighting contactors, 2–12 poles
- ✓ 120/277/208/24VAC coil voltage options
- ✓ UL-listed NEMA 1 (indoor) or NEMA 3R (outdoor) steel enclosure
- ✓ Optional programmable 7-day astronomic timeclock with battery backup
- ✓ Optional app-based wireless timeclock programming
- ✓ Optional exterior photocell (OR/AND logic with timeclock)
- ✓ Optional HOA (Hand-Off-Auto) override switch
- ✓ Optional 2-hour spring-wound override switch
- ✓ Contactor terminals accept 14–8 AWG solid or stranded copper wire
- ✓ All components UL listed

## SPECIFICATIONS

<b>Contactor Type</b>	Electrically held	<b>Enclosure Options</b>	NEMA 1 (indoor) or NEMA 3R (outdoor)
<b>Load Types</b>	All lighting load types	<b>Enclosure Material</b>	Galvanized steel, powder coated
<b>Poles</b>	2, 4, 6, 8, 10, or 12	<b>Enclosure Finish</b>	ANSI 61 gray
<b>Current Rating</b>	30A per pole @ 600VAC	<b>Subpanel</b>	12-gauge steel, RAL9003 white powder coat
<b>Coil Voltage (std)</b>	120VAC, 28VA	<b>Enclosure Dimensions</b>	16 H × 12 W × 6 D in
<b>Alt Coil Voltages</b>	277VAC, 208VAC, 24VAC	<b>Mounting</b>	Surface or channel mountable
<b>Wire Size (Load)</b>	14–8 AWG, solid or stranded, 75°C copper	<b>Ambient Temperature</b>	–40°F to +131°F
<b>Wire Size (Coil)</b>	18–14 AWG	<b>Timeclock Voltage</b>	120/277VAC multi-voltage
<b>Contactor Standard</b>	NEMA ICS-2	<b>Timeclock Scheduling</b>	7-day, up to 20 events/day, astronomic
<b>UL Category Code</b>	NLDX / NLDX7	<b>Timeclock Backup</b>	Supercapacitor, up to 4 days
		<b>Photocell Logic</b>	OR or AND with timeclock

## BUY AMERICAN ACT (BAA) COMPLIANCE



This product is manufactured in the United States and complies with the Buy American Act (BAA) for applicable federal, state, and government procurement programs. The CTRL-PNL Lighting Contactor Panel meets BAA requirements for projects subject to Buy American provisions, making it suitable for use in government facilities, publicly funded construction, and any project specification requiring domestic manufacturing compliance.

UL Listed (all components)

UL 50 Type 3R (enclosure)

NEMA ICS-2 (contactor)

UL 917 (timeclock)

BAA Compliant

Nuvospec

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## ORDERING INFORMATION

Family	Type	# Poles	Coil Voltage	Enclosure	HOA Switch	Accessories
<b>FAMILY</b>	<b>TYPE</b>	<b># POLES</b>	<b>COIL VOLTAGE</b>	<b>ENCLOSURE</b>	<b>HOA SWITCH</b>	<b>ACCESSORIES</b>
CTRL Controller	PNL Panel	<b>02</b> 2 Poles <b>04</b> 4 Poles <b>06</b> 6 Poles <b>08</b> 8 Poles <b>10</b> 10 Poles <b>12</b> 12 Poles	– 120VAC (standard) <b>277</b> 277VAC <b>208</b> 208VAC <b>24</b> 24VAC	<b>NEMA1</b> Indoor, UL Type 1 <b>NEMA3R</b> Outdoor, UL Type 3R	– None <b>HOA</b> HOA Override Switch	– None <b>TMCLK</b> 7-Day Astronomic Timeclock <b>TMCLKAPP</b> App-Based Wireless Timeclock <b>PHCL</b> Exterior PhotoCell <b>2HR</b> 2-Hour Override Switch

**Example:** CTRL-PNL-12-277-NEMA3R-HOA-TMCLK-PHCL — 12-pole, 277V coil, NEMA 3R outdoor, HOA switch, timeclock and photocell

## WIRING DIAGRAMS

**nuvospec**

**Lighting Contactor Panel**

### Wiring Diagrams

- Wiring diagram illustrates order code CTRL-PNL-12-NEMA1-HOA-TMCLK-PHCL which utilizes the full combination of a photo cell, time switch, HOA override switch, and lighting contractors.
- If HOA switch is not included, connect normally open output (5) of time switch directly to lighting contactor coil (A1).
- If photo cell is not included, connect time switch common input (3) directly to line supply (L).
- If time switch and HOA Switch are not included, connect photo cell output (Red) directly to lighting contactor coil (A1).

Photo Cell, Time Switch, HOA Switch

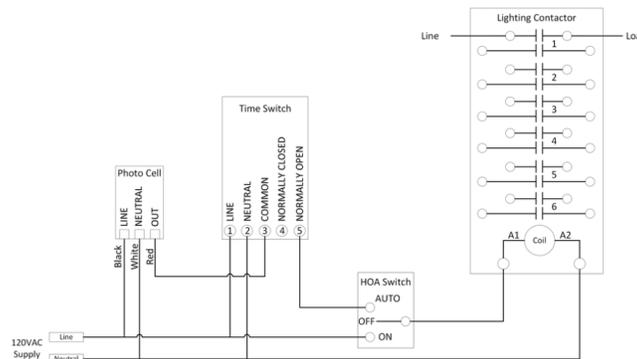
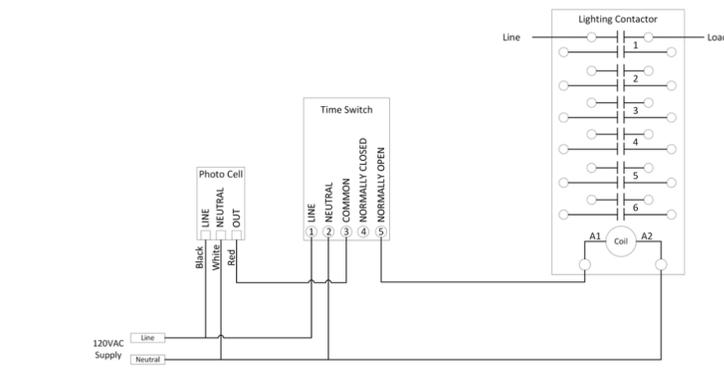


Photo Cell, Time Switch



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NEMA ICS-2 (contactor)

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Wiring Diagrams

Time Switch

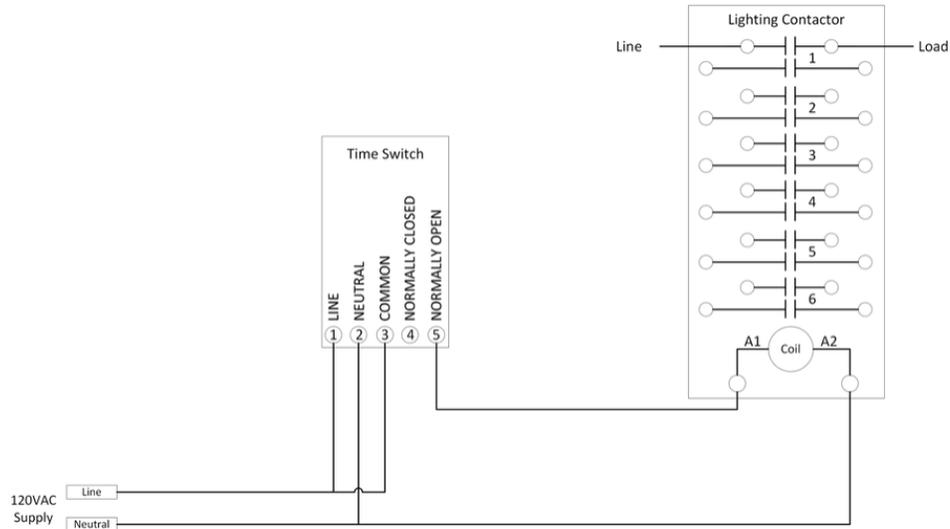
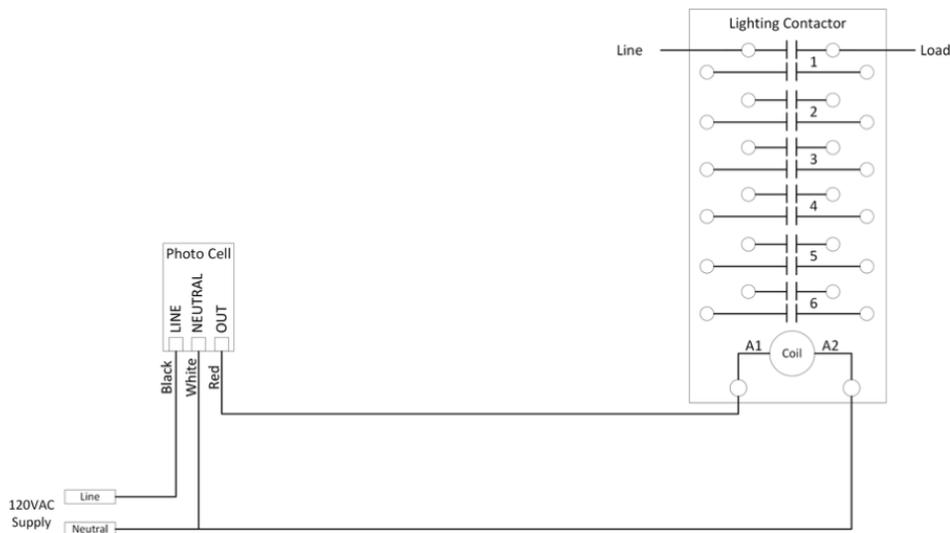


Photo Cell



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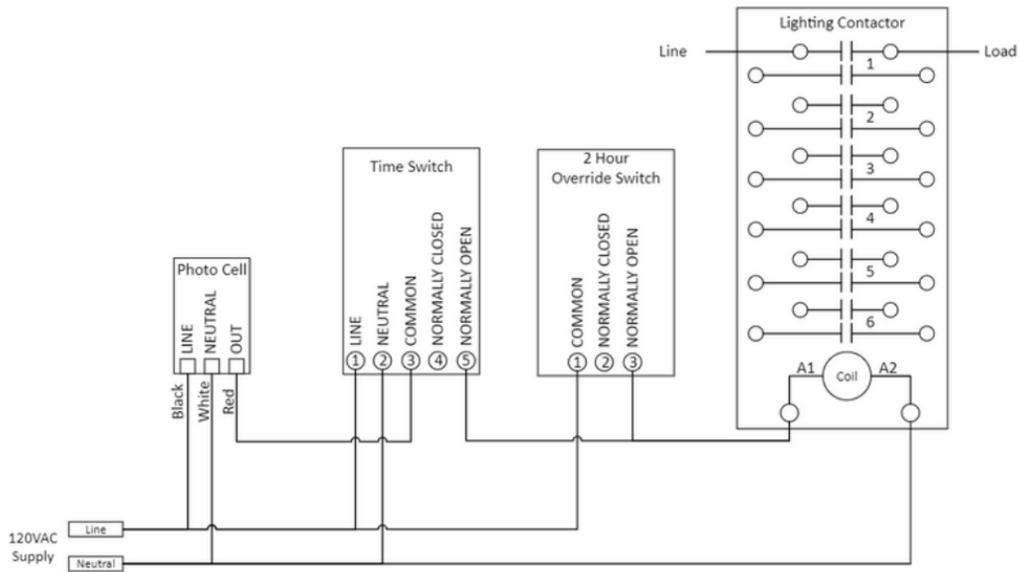
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Wiring Diagrams

Photo Cell, Time Switch, 2 Hour Override



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