

# Versatility, simplicity and performance



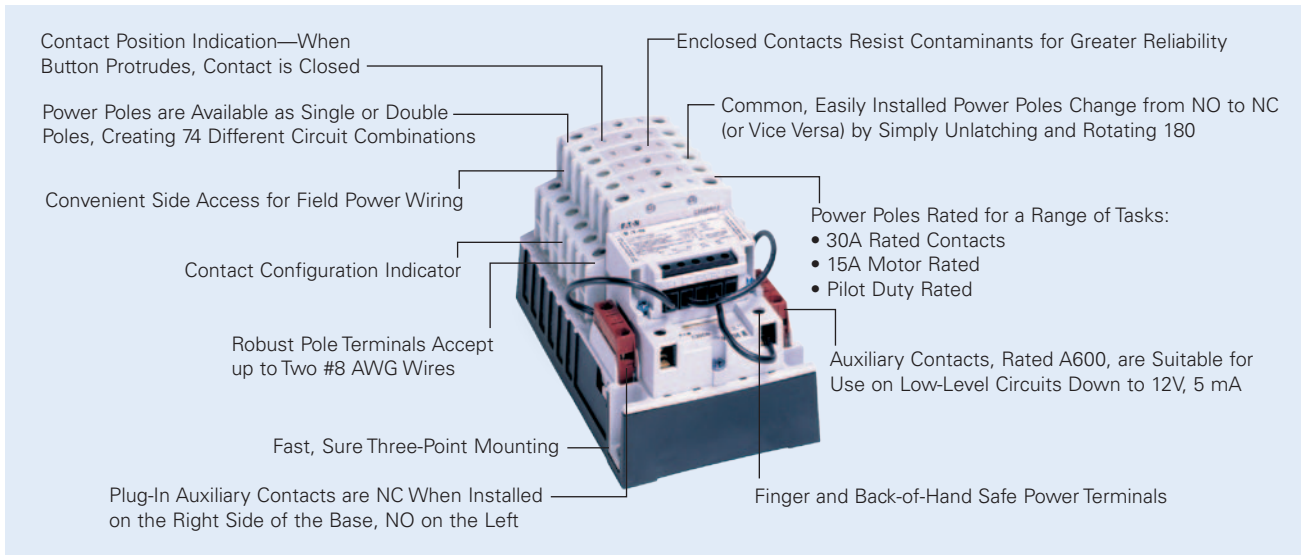
The C30CN lighting contactor by Eaton delivers unprecedented versatility in application, simplicity in configuration, and performance in operation.

With a revolutionary design, rugged construction and expansive feature set, the C30CN is the right solution for effectively controlling tungsten (incandescent filament), ballast (fluorescent and mercury arc), High Intensity Discharge (HID) and non-motor AC resistive loads in places such as:

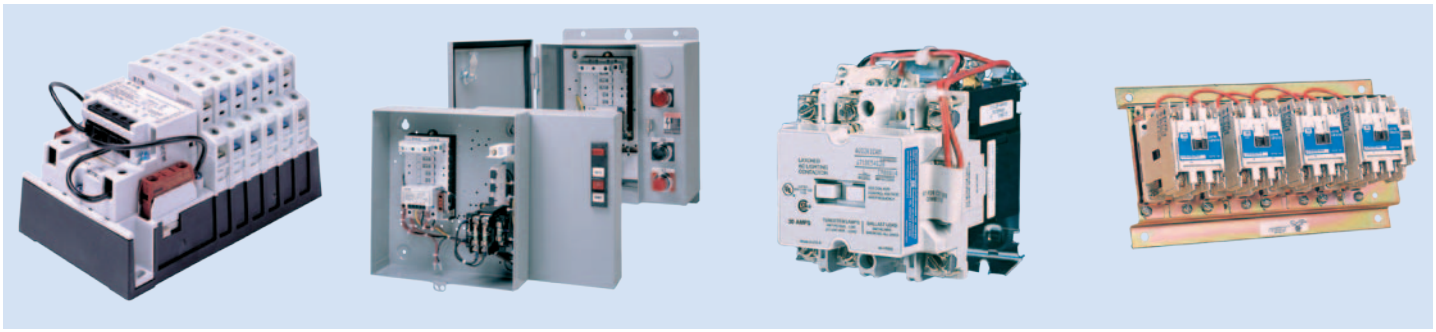
- Hospitals
- Office buildings
- Industrial plants
- Airports
- Stadiums

### C30CN features

- 2–12, 30A, power poles
- Power poles latch easily onto the base, and designating them as NO or NC is a simple matter of left or right positioning
- Additional poles, either NO or NC, may be easily added at any time
- Low input VA permits long wire runs
- Comes in a wide range of input voltages and with coils from 24 Vac to 277 Vac, and 12 Vdc to 24 Vdc



Powering Business Worldwide



### Mechanically held contactor

Its low magnetic noise makes it ideal for applications where quiet, energy-efficient operation is required. Perfect for critical applications, the C30CN has a mechanically held operation that will not switch to an OFF position during power failure. Its mechanical latch with a two- or three-wire electronic control module delivers reliable performance and protection for lighting control needs.

#### Two-wire control

For single output, automatic operation or operation from single-pole devices, two-wire control should be used. When voltage is applied to the input terminals, the contactor is latched into position (coil is removed from the circuit while control voltage is continuously supplied). When control voltage is removed, the latch is disengaged and the contactor is returned to its original state.

#### Three-wire control

When using momentary devices that allow operation from multiple locations, three-wire control is the right choice. A momentary pulse of energy operates the contactor while a second pulse on an alternate leg returns the contactor to its original state.

### Enclosed control

The new C30CN lighting contactor in enclosed control makes it possible to provide for all of your lighting contactor needs. With its unique design, you are able to modify the product during installation to meet the number of poles you need and also to modify the configuration of the poles—either normally open (NO) or normally closed (NC). Your product will install more quickly and easily without the fear of the system changing and leading to future expensive modifications to your control. The C30CN is designed to allow you to add additional lighting loads later without the need to change contactors or add additional enclosures. Simply order the additional power poles and click them in place.

With enclosed control, you are able to get your lighting contactor in NEMA® 1, 3R, 12, 7/9 and 4X enclosures as combination and non-combination units. You can also add the following options as part of the packaged offering:

- Control power transformers
- Auxiliary contacts
- Relays
- HOA selector switches
- Start/stop pushbuttons
- Indicating lights
- Terminal blocks
- Wire markers
- Two-wire or three-wire control

### Magnetically latched—A202

Use in applications where it is critical that the contactor will not switch to an OFF position during control power failure.

- 30–200A contactors use an electrically energized and de-energized permanent magnet, while the 300 and 400A contactors use a mechanical latch to hold contacts closed during the operation (no continuous control current)
- Control voltages from 24–600 Vac are available
- Designed for intermittent duty only
- Available in 30, 60, 100, 200, 300 and 400A sizes
- 2–12 poles on 30–200A units
- 2 and 3 poles only for 300 and 400A sizes
- Quiet operation (no coil hum)

### Electrically held—CN35

Use in applications where it is not critical that contacts stay closed with loss of control power.

- Control power is applied continuously during operation
- 10–400A, 600V maximum rating
- 12 poles maximum for 20 and 30A devices
- 3, 4 or 5 poles maximum for other amperes (enclosed available in all pole configurations)
- Optional auxiliary contacts available
- Full line of snap-on accessories: top- and side-mount auxiliary contacts, solid-state and pneumatic timers, and so on

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