

Custom UL listed, factory-assembled retrofit lighting contactor panels for nonresidential applications. Each panel replaces existing field-assembled contactor gear with a pre-wired, DIN-rail mounted enclosure featuring electrically held IEC contactors, dedicated field wiring terminal blocks on both coil and contact sides, and pre-installed remote pushbutton stations for individual relay control. Three configurations are available to match specific pole count requirements. Made in the USA — BAA compliant.

KEY FEATURES

- ✓ Factory assembled, wired, labeled, and tested — ready for field installation
- ✓ Electrically held IEC DIN-rail block contactors, 30A per pole, 600VAC rated
- ✓ 120VAC coil voltage standard — switches 120V and 277V loads
- ✓ Individual field wiring terminal blocks on coil (input) side for each relay
- ✓ Individual field wiring terminal blocks on contact (output) side for each relay
- ✓ One remote push-on/push-off pushbutton station per relay, pre-installed on single-gang wallbox cover plate
- ✓ Pushbutton stations toggle relay on/off from remote wall locations — no panel access required
- ✓ DIN rail mounted components — organized, serviceable layout
- ✓ NEMA 1 steel enclosure, 36H × 24W × 6D in — single enclosure size across all three configurations
- ✓ UL listed components throughout
- ✓ Made in the USA — Buy American Act (BAA) compliant
- ✓ Three configurations: 31, 51, and 52 poles

CONFIGURATION COMPARISON

Specification	HBBS-31P	HBBS-51P	HBBS-52P
Part Number	CUST-PNL-HBBS-31P	CUST-PNL-HBBS-51P	CUST-PNL-HBBS-52P
Total Switched Poles	31	51	52
Contactors (relays)	31	51	52
Coil Terminal Blocks	62	102	104
Contact Terminal Blocks	155	255	260
Remote Pushbutton Stations	31	51	52
DIN Rail Sections (4 ft ea.)	3	3	3
Enclosure (H × W × D in)	36 × 24 × 6	36 × 24 × 6	36 × 24 × 6

ELECTRICAL SPECIFICATIONS

Contactor Type	IEC DIN-rail block, electrically held
Current Rating	30A per pole
Voltage Rating	600VAC
Coil Voltage	120VAC, 50/60 Hz
Load Voltage	120VAC or 277VAC
Load Types	All lighting load types
Wire Size (Load / Contact)	14–8 AWG, 75°C copper
Wire Size (Coil / Control)	18–14 AWG, 75°C copper
Terminal Blocks	DIN rail mount, individually numbered

REMOTE PUSHBUTTON STATIONS

Each relay in the panel is controlled by a dedicated push-on/push-off momentary pushbutton station. Stations are factory pre-installed on standard single-gang wallbox cover plates for fast field mounting.

Function	Toggles relay ON or OFF (push-on / push-off)
Mounting	Single-gang wallbox cover plate, pre-installed
Quantity	One station per relay (31, 51, or 52 per panel)
Location	Remote — field wired to coil terminal blocks at panel
Labeling	Numbered to match terminal block layout
Wiring	18–14 AWG control wiring, field supplied

How it works: Each pushbutton station connects via 2-wire control cable back to the corresponding relay's coil terminal block in the panel. A single momentary press energizes or de-energizes the relay coil, toggling the lighting circuit on or off. No panel access required for day-to-day operation.

ENCLOSURE SPECIFICATIONS

Type	NEMA 1, indoor, surface mount
Dimensions (H x W x D)	36 x 24 x 6 in (914 x 610 x 152 mm)
Material	Galvanized steel
Finish	ANSI 61 gray powder coat
Door	Hinged, lockable
DIN Rail	35mm, 4 ft sections (x3)
Operating Temperature	-40°F to +131°F (-40°C to +55°C)

TERMINAL BLOCK LAYOUT

All field wiring terminates on clearly labeled DIN-rail mounted terminal blocks, organized into two dedicated sections:

Coil (Input) Side	2 terminals per relay (L1, Neutral), 120VAC control
Contact (Output) Side	5 terminals per relay (Line, Load x4)
Block Rating	600V, accepts 14–8 AWG
Identification	Individually numbered, relay-to-terminal correlated

INSTALLATION & APPLICATION NOTES

Retrofit application: Designed as a direct replacement for field-assembled contactor installations. Panel arrives fully assembled and tested. Mount to wall, land field wiring on terminal blocks, and mount remote pushbutton stations at remote locations. No internal wiring or assembly required by the installing contractor.

Mounting: Surface mount NEMA 1 enclosure to interior wall surface. Maintain NEC 110.26 working clearances. Provide conduit entries through bottom or sides. Install by qualified electrician. For indoor, dry locations only.

ORDERING INFORMATION

Part Number	Description
CUST - PNL - HBBS - 31P	Retrofit Contactor Panel, Hobbs NM, 31 Pole, NEMA 1, with remote pushbutton stations
CUST - PNL - HBBS - 51P	Retrofit Contactor Panel, Hobbs NM, 51 Pole, NEMA 1, with remote pushbutton stations
CUST - PNL - HBBS - 52P	Retrofit Contactor Panel, Hobbs NM, 52 Pole, NEMA 1, with remote pushbutton stations

Lead time: 2–4 weeks ARO standard. Custom configurations available — contact sales@nuvospec.com or call (512) 615-9002.

UL Listed

Made in America (BAA)

NEMA 1

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