

# EZ-MAX® H Relay Control Panels



R08BD-H00

R24BD-H00

### Description

EZ-MAX® H Relay Panels deliver power and performance in compact and cost-effective 8-circuit and 24-circuit models. EZ-MAX H Relay Panels are the ideal solution for smaller, standalone applications that do not require on-site factory commissioning or advanced networking features like GreenMAX® Relay Control Systems.

Leviton EZ-MAX H Relay Control Panels are used for smaller, standalone projects where centralized lighting control, programming and monitoring are required.

For maximum equipment protection, the standard 30A latching relay card has a short circuit current rating (SCCR) of 18,000A at 347V to allow it to withstand higher current inrushes caused by short circuit conditions. The 20A 2-Pole relay has an SCCR of 14,000A at 480V. Low-voltage inputs allow connection of photocells, occupancy sensors, and low-voltage switches for a comprehensive yet easily installed energy management solution.

Designed in a compact, 14.5" x 17" (8-circuit model) or 20" x 24" (24-circuit model) standard electrical enclosure, EZ-MAX H is engineered to be contractor friendly, quick to install and simple to configure.

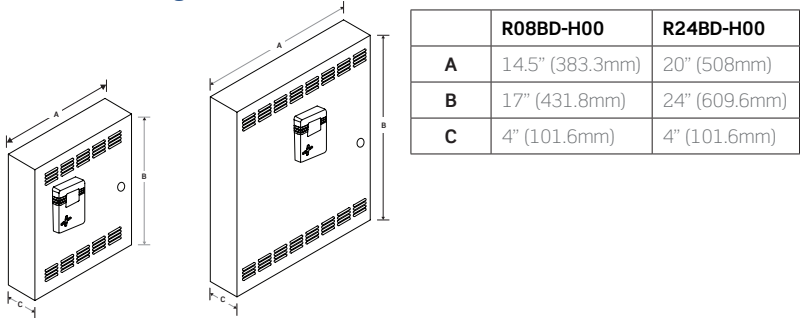
### Applications

- Smart replacement for time clock/contactor installations
- Low-voltage controls
- Daylight control
- Occupancy sensor integration
- Site lighting
- Parking garage/parking lot lighting
- Retail Stores
- Warehouse Space
- Manufacturing/Industrial

### Features

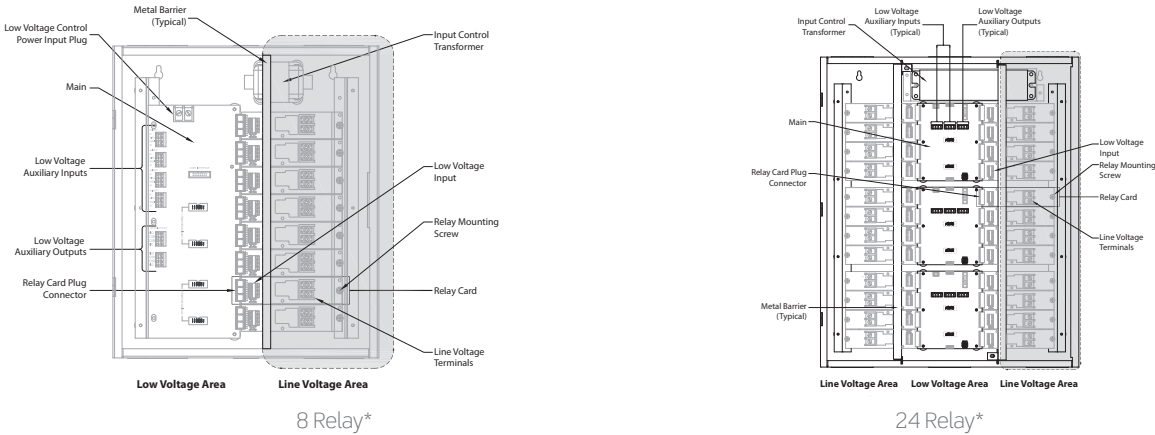
- LCD user interface with keypad
- 8 and 24 relay panel sizes, relays sold separately
- Astronomical and real time clock for scheduling
  - 4 Open/Close Time Schedules, and 99 holidays (including recurring U.S. holidays)
- High priority override supported through analog input, ex: Forced On from security/fire alarm panel
- Each relay card includes one low voltage input
- Upload or save programming via removable SD memory card
- Panels have hinged locking doors
- Keypad user interface mounted on exterior of door
- Knockouts on top and bottom for low voltage and line voltage feeds
- NEMA 1 surface mount enclosure
- cUL listed
- 5 year limited warranty
- 64 schedules—ON, OFF, ON/OFF
- 32 groups of any or all relays
- 6 outdoor scenarios
  - Templates can be programmed with the inputs and groups to be controlled
- 18 indoor scenarios
- Simple architecture—user defined inputs (motion sensor, photocell, switch) and actuator (relay) groups
- Users can specify if the schedule is an ON schedule, OFF schedule, or ON/OFF schedule
  - Users specify which group is being controlled and when the event should occur

### Dimensions Diagrams



Product Data
Rxxx-xxx

Panel Interiors



\*Relays sold separately

Specifications

| Electrical            |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 8 Relay               | 24VDC, 150mA (max. 300mA)                                                                                                                         |
| 24 Relay              | 24VDC, 150mA (max. 900mA)                                                                                                                         |
| RELAY-L3H             | 120/277/347VAC (50/60Hz)                                                                                                                          |
| RELAY-2PH             | 208/240/480VAC (50/60Hz)                                                                                                                          |
| Wire Size             | 14, 16, 18, 20, 22 AWG                                                                                                                            |
| Operation             |                                                                                                                                                   |
| Green Indicator Light | On panel motherboard -indicates panel is receiving power; On relay card - Indicates relay is in the closed position                               |
| Red Indicator Light   | On the relay card - dependent on input status and programming                                                                                     |
| Environmental         |                                                                                                                                                   |
| Operating Temperature | 32° to 112° F (0° to 50°C)                                                                                                                        |
| Relative Humidity     | 10% - 90% (non-condensing)                                                                                                                        |
| Construction          |                                                                                                                                                   |
| Enclosure             | NEMA 1 surface mount, indoor use only                                                                                                             |
| Other                 |                                                                                                                                                   |
| Listings              | cUL listed, CAN/CSA C22.2 No. 205                                                                                                                 |
| Weight                | R08BD: 21lbs (empty); R24BD: 41.3 lbs (empty)                                                                                                     |
| Energy Codes          | Can be used to comply with IECC, ASHRAE 90.1 and 2025 Title 24, Part 6 occupancy/vacancy sensing, scheduling, and receptacle control requirements |
| Warranty              | 5-year limited                                                                                                                                    |

Ordering Information

| EZ-MAX H Relay Panels |                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.              | Description                                                                                                                                      |
| R08BD-H00             | EZ-MAX H Relay Panel 8-Circuit, relays purchased separately                                                                                      |
| R24BD-H00             | EZ-MAX H Relay Panel 24-Circuit, relays purchased separately                                                                                     |
| RELAY-L3H             | 1-Pole Latching 20A @120VAC-Tungsten; 16A @120/277VAC-Elect. Ballast; 30A @120/277VAC-Mag. Ballast; 20A @347VAC Elect. Ballast; 18K SCCR @347VAC |
| RELAY-2PH             | 2-Pole, Elect. Held N.O. 20A @208/240/480VAC Mag. Ballast; 14K SCCR @480VAC                                                                      |
| Accessories           |                                                                                                                                                  |
| RGBAR-EZH             | Relay circuit barrier for EZ-MAX H Series lighting control panel                                                                                 |
| OOLVS-xxW             | Low Voltage Switches, White                                                                                                                      |
| PCOUT-000             | Outdoor Photocell, 0-10V, 0-250 fc                                                                                                               |
| PCIND-000             | Indoor Photocell, 0-10V, 0-100 fc                                                                                                                |
| PCATR-000             | Atrium Photocell, 0-10V, 0-1000 fc                                                                                                               |
| PCSKY-000             | Skylight Photocell, 0-10V, 0-2000 fc                                                                                                             |