

New a-2000-24 Relay Cabinet for 120, 277 and 347V Relay Applications

Definition:

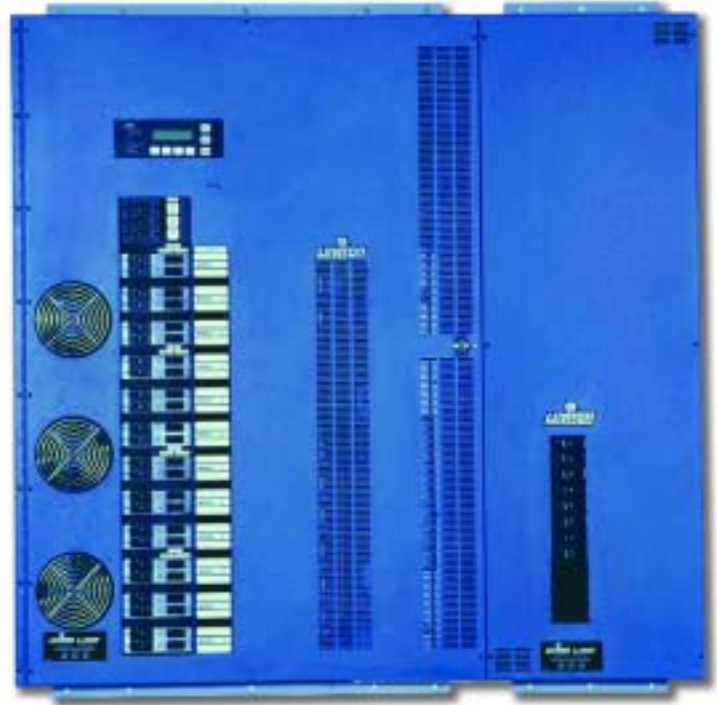
The new a-2000-24 Relay Cabinet bolts directly on to Leviton's standard a-2000-24 Modular Dimming Cabinet, making a single compact, easy-to-install unit that can provide straight relay control of up to 12 circuits in 120, 277 and 347V applications. The unit works with non-fluorescent as well as fluorescent applications. This includes 277V and 347V fluorescent dimming ballasts using 0 to +10 VDC control signals, such as the Advance Mark VII™, OSRAM Sylvania Quicktronic® Helios™ and MagneTek Ballaster™ brands. The proper low voltage control signals are provided by the accompanying a-2000-24 Modular Dimming Cabinet's control modules. You may control up to eight circuits when using the relays for 0 to +10 VDC fluorescent dimming ballasts.

Applications:

The a-2000-24 Relay Cabinet works in conjunction with the a-2000-24 Modular Dimming Cabinet to provide a reliable high-end microprocessor-based dimming/switching panel solution wherever a straight relay is needed in lieu of conversion of a dimmer channel to non-dim in 120V, 277V and 347V applications. This includes those where energy-efficient 277V and 347V fluorescent dimming ballasts using 0 to +10 VDC control signals are required. Typical applications include cafeterias, auditoriums churches, lecture halls, conference rooms, ballrooms, restaurants, meeting rooms and similar venues. It comes equipped with or without branch circuit breakers.

Features & Benefits

- Provides straight relay control of fluorescent and non-fluorescent loads in 120V, 277V and 347V applications
- Relay is rated for 20 Amp in 120, 277 and 347 Volt applications
- Capacity to control up to 12 relays
- Capacity to control up to 8 separate fluorescent (0 to +12 VDC) dimming circuits
- Extends the a-2000-24 Modular Dimming Cabinet dimming control to 277V and 347V fluorescent dimmable ballasts using 0 to +10 VDC control signals
- Bolts directly to a-2000-24 24-Channel Modular Dimming Cabinet to make a single easy-to-mount cabinet



a-2000-24

Relay Cabinet

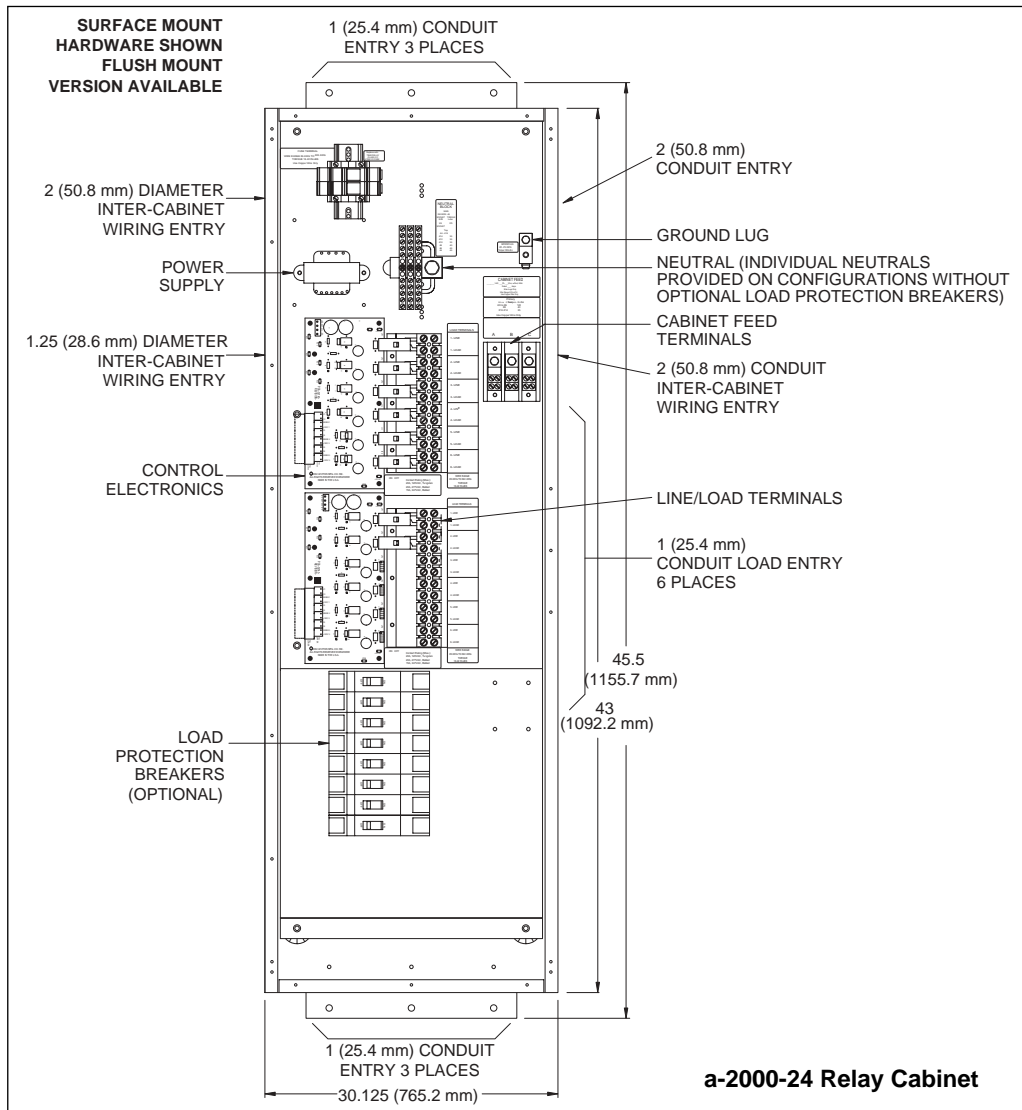
- Relays are easily removed for improved serviceability
- Optional 20 ampere branch circuit breakers are available—Comes with Main Lugs
- Relays approved and tested to handle the high in-rush current of today's electronic fluorescent ballasts
- Up to eight circuits (contactors) can be accommodated for fluorescent dimming ballasts
- 347V breakers available for use in Canada
- Generous wiring space and conduit knockouts for easy installation

Note: The number of available dimming channels in the a-2000-24 Dimming Cabinet is reduced, in groups of two, when relays are added to the Relay Cabinet. Example: When installing five or six relays in the Relay Cabinet three dual dimmer modules are removed, leaving 9 dual dimmer modules for a maximum of 18 dimming channels in the a-2000-24 Dimming Cabinet.

Agency Standards:

- UL and cUL Listed

Dimensional Drawing



Ordering Information

a-2000-24 Relay Cabinet	
Cat. No.	Description
A2RMV-200	Relay Cabinet attached to a-2000-24 with 2 Relays, 0 Breakers at 120, 277 or 347Volt
A2RMV-400	Relay Cabinet attached to a-2000-24 with 4 Relays, 0 Breakers at 120, 277 or 347Volt
A2RMV-600	Relay Cabinet attached to a-2000-24 with 6 Relays, 0 Breakers at 120, 277 or 347Volt
A2RMV-800	Relay Cabinet attached to a-2000-24 with 8 Relays, 0 Breakers at 120, 277 or 347Volt
A2RMV-101	Relay Cabinet attached to a-2000-24 with 12 Relays, 0 Breakers at 120, 277 or 347Volt
A2R12-220	Relay Cabinet attached to a-2000-24 with 2 Relays, 2 Breakers at 120Volt
A2R12-440	Relay Cabinet attached to a-2000-24 with 4 Relays, 4 Breakers at 120Volt
A2R12-660	Relay Cabinet attached to a-2000-24 with 6 Relays, 6 Breakers at 120Volt
A2R12-880	Relay Cabinet attached to a-2000-24 with 8 Relays, 8 Breakers at 120Volt
A2R27-220	Relay Cabinet attached to a-2000-24 with 2 Relays, 2 Breakers at 277Volt
A2R27-440	Relay Cabinet attached to a-2000-24 with 4 Relays, 4 Breakers at 277Volt
A2R27-660	Relay Cabinet attached to a-2000-24 with 6 Relays, 6 Breakers at 277Volt
A2R27-880	Relay Cabinet attached to a-2000-24 with 8 Relays, 8 Breakers at 277Volt
A2R34-220	Relay Cabinet attached to a-2000-24 with 2 Relays, 2 Breakers at 347Volt
A2R34-440	Relay Cabinet attached to a-2000-24 with 4 Relays, 4 Breakers at 347Volt
A2R34-660	Relay Cabinet attached to a-2000-24 with 6 Relays, 6 Breakers at 347Volt
A2R34-880	Relay Cabinet attached to a-2000-24 with 8 Relays, 8 Breakers at 347Volt



For Technical Assistance call: 1-503-404-5500

Leviton Lighting Control Division

P.O. Box 2210, Tualatin, OR 97062

Telephone: 1-503-404-5500 • FAX: 1-503-404-5600

Tech Line (8:00AM-5:00PM Pacific Time Monday-Friday): 1-503-404-5500

Visit Leviton's Web site at www.leviton.com

