

OVERVIEW

The GR 2400 Relay Panel is part of the expansive GR 2400 system and is a 100% digital solution to lighting control. Ideal for centralized panel applications, the GR 2400 Relay Panel can link up to 127 addresses of digital devices, including other LC&D panels and switches, which daisy-chain together in any sequence using Cat. 5 patch cables with RJ45 connectors.

FEATURES

- Astronomical time clock with 32-channels and a large display (21 X 8 characters) which can be used to program an entire system. Non-volatile memory holds all programming indefinitely.
- 10 year battery back-up for time-of-day
- Mixed voltage (120V, 277V), power controllability
- Manual override of the entire panel, individual relays and zones

Warranty

3-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

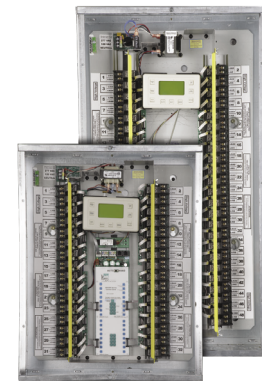
Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

AcuityControls™

LC&D™

GR 2400™ Control Panel



ORDERING INFORMATION

ENCLOSURE		Example: GR2448 ENC SM NE1	
Relay Panel Enclosure		Mounting, NEMA Rating, Knockouts	
GR2448 ENC	48 relay enclosure	SM NE1	Surface Mount, NEMA 1 with knockouts
GR2432 ENC	32 relay enclosure	FM NE1	Flush Mount, NEMA 1 with knockouts
		SM NE1 NKO	Surface Mount, NEMA 1 no knockouts
		FM NE1 NKO	Flush Mount, NEMA 1 no knockouts

INTERIOR		Example: GR2448 INT 12NCL DTC DV			
Relay Panel Interior		Relays	Clock Options	Transformer	Voltage Barrier
GR2448 INT	48 relay interior	[qty]NCL Normally closed latching	DTC	DV	[blank] No barrier
GR2432 INT	32 relay interior		REMOTE	CNDV	1VB 1 barrier
					2VB 2 barriers
					3VB 3 barriers
					4VB 4 barriers

1. Takes up two relay positions. Max of 16 for the GR2432 and a max of 24 for the GR2448.

OVERVIEW

Power Supply:

120/277VAC or 120/347VAC

DTC:

32-channel, 365-day astronomical time clock
Access and program the entire system

Bus Connectors

RJ45 connectors

Lighting Relays:

Normally Closed (NCL), 30A @ 277V Ballast,
20A @ 120V Tungsten, 20A @ 347V Ballast,
SCCR 18kA @ 277V, Rated 250,000 Cycles

High/Low Voltage Barrier:

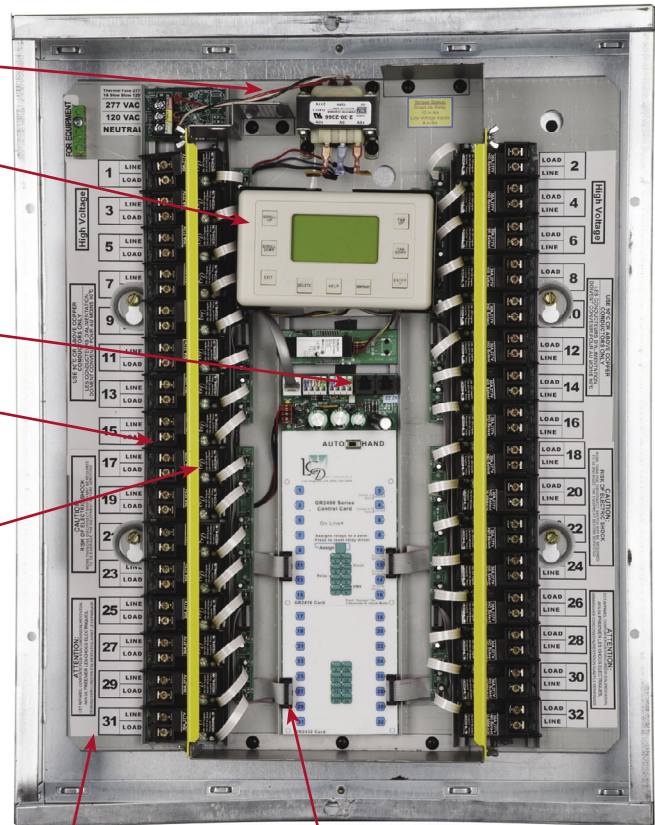
(16 gauge steel)

Seismic Certification:

- Preapproved for use in Category IV structures with an Importance Factor of 1.5
- California Office of Statewide Health Planning and Development (OSHPD) Special Seismic Certification Preapproval (# OSP-0091-10)

Evaluated per the requirements of:

- 2007/ 2010 California Building Code
- Section 13.2.5 of (American Society of Civil Engineers / Structural Engineering Institute) ASCE/SEI 7-05
- Tested to: ICC-ES AC156



Interior mounted on
removable back plate

Relay Control Card
(manual control of zones or
individual relays)

Title 24 System Component

SPECIFICATIONS

ENCLOSURE DIMENSIONS

32 relays

- NEMA 1 - 20" w x 25.5" h x 6" d

48 relays

- NEMA 1 - 20" w x 37.5" h x 6" d

Standard Enclosure Type

Surface mount, hinged locking door, NEMA 1

Relays

Normally Closed (NCL)

- 30A@277VAC Ballast
- 20A@120VAC Tungsten
- 20A@347VAC Ballast
- SCCR 18kA @ 277VAC
- Rated 250,000 Cycles

ADDRESSES USED

- GR 2432 (4), GR 2448 (6)

RELAYS

- Normally Closed(NCL)

POWER SUPPLY INPUTS

- 120/277VAC or 120/347VAC

PROGRAMMING

- Via the Digital Time Clock

ENVIRONMENT

- Ambient: 32-104° F (0-40° C)
- Relative Humidity: 10-90% non-condensing

STANDARDS

- UL and cUL 916 listed

BUS PHYSICAL LAYER

- RS485 (GR 2400 bus)

BUS CONNECTOR

- RJ45 connectors