Date Catalog Number: Project:

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 daisychain 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



GR 2400™ Control Panel



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.

ORDERING INFORMATION

| ENCLOSURE | | | | Example: GR2448 ENC SM NE1 | | | |
|-----------------|--------------------|-------------|--------------------------------------|----------------------------|--|--|--|
| | | | | | | | |
| Relay Panel End | losure | Mounting, I | IEMA 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 NKC | 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 | Relays | | Clock Options | | Transformer | | Voltage Barrier | |
| | 3 relay interior 2 relay interior | [qty]NC | Normally closed latching | DTC REMOTE | Digital time clock Remote panel, no clock | DV CNDV | Dual voltage 120/277V 120/347V | [blank] 1VB 2VB 3VB 4VB | No barrier 1 barrier 2 barriers 3 barriers 4 barriers | |

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

Power Supply: 120/277VAC or 120/347VAC

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:

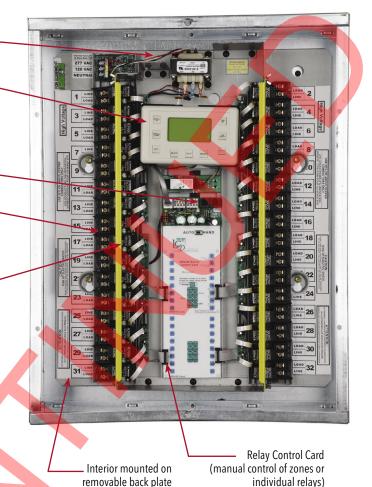
- Preapproved for use in Category IV structures with an Importance Factor of 1.5
- California Office of Statewide Health Planning and Development (OSHPD) Special Seismic Certification Preapproval (# OSP-0091-

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

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

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