

## OVERVIEW

The Quintessence Relay Panel is a standard GR 2400 Relay Panel integrated with a SilverBullet to create one relay and current limiting solution. Each Quintessence Relay Panel is factory pre-wired, pre-assembled and, like the SilverBullet, can be used to comply with energy code calculation requirements for track lighting.

## 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
- Mixed voltage (120, 277V), Normal and Emergency power controllability
- Manual override of the entire panel, individual relays and zones
- Current limiting for up to 21 circuits per 10" extension box
- AIC rating of 10,000A @ 120V
- Factory pre-assembled with each load factory labeled on the door sheet
- Remote programming via modem

## Warranty

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

[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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

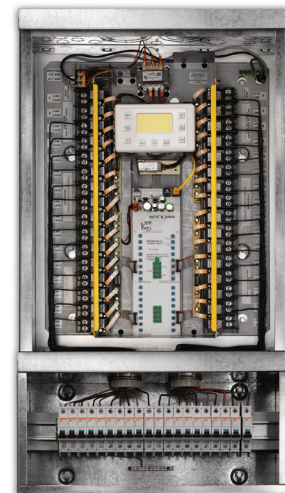
Specifications subject to change without notice.

**AcuityControls™**

**LC&D™**

**GR 2400™**

*Quintessence Relay Panel  
with SilverBullet*



## ORDERING INFORMATION

### FOR NOMENCLATURE:

**Please see the tech sheet for the GR 2400 Relay Panel and enter as usual with these exceptions:**

- Must choose Surface Mount, NEMA 1 with knockouts (SM NE1)

**Please see the tech sheet for the SilverBullet and enter as usual with these exceptions:**

- Add a "Q" to the beginning of the nomenclature (T24 becomes QT24, T24M is not available for Quintessence)
- You may exceed the maximum number of breakers by one (up to 22 breakers total)
- You must choose Surface Mount (SM)

### Example:

**GR2448 ENC SM NE1  
GR2448 INT 22NCL 14SPDT 6DPNC DTCMOD DV  
QT24 1077UL 22BP 4A10 10A8 13A2 15A2 SM**

48 relay panel with 22 normally closed relays, 14 single pole double throw relays, six double pole normally closed relays, with a digital time clock and modem (master panel), and a 120/277V dual voltage transformer (no voltage barriers) as part of a Quintessence package prewired to a SilverBullet panel configured with 22 breaker positions, and containing 10 4A, eight 10A, two 13A and two 15A breakers, all installed in a combined, surface mount NEMA 1 enclosure with knockouts.

OVERVIEW

**Power Supply (input):**  
120/277V

**DTC:**  
32-channel, 365-day astronomical clock. Access and program the entire system

**Modem:**  
Remote programming and control, includes basic programming changes

**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

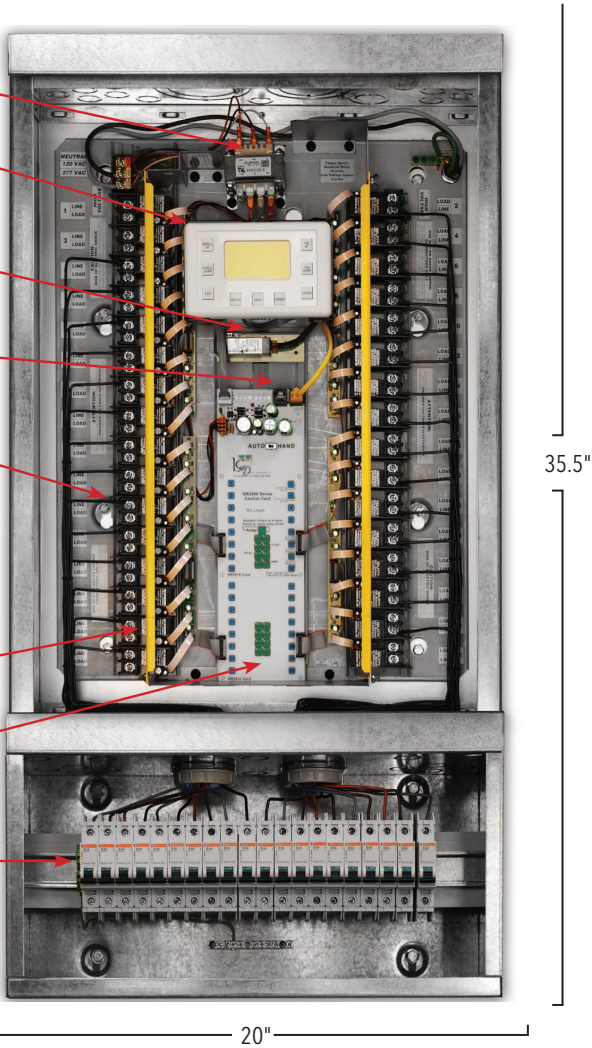
**Optional Relays:**  
Normally Open, (NOL) Spec same as NCL, NO or NC (120V); 2-Pole – NO or NC (480V); Double Throw 20A 277V

**High/Low Voltage Barrier:** (16 gauge steel)

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

**Limiters:**  
UL listed current limiting available from 1-8, 10, 13 & 15 amps.

Title 24 System Component



SPECIFICATIONS

Enclosure dimensions:	32 relays, 21 Breakers	20A 277VAC
	20" w x 35.5" h x 6" d	Addresses used: GR 2432 (4), GR 2448 (6)
	32 relays, 42 Breakers	Power supply inputs: 120/277VAC
	20" w x 45.5" h x 6" d	Programming: Via DTC or with GX2 lighting control software
	48 relays, 21 Breakers	Max. humidity: 10–90% non-condensing
	20" w x 47.5" h x 6" d	Ambient temperature: 32–104° F (0–40° C)
	48 relays 42 Breakers	Bus physical layer: RS 485 (GR 2400 bus)
	20" w x 57.5" h x 6" d	Bus connector: RJ45 connectors
Enclosure type:	Surface mount, hinged locking door, NEMA 1, SilverBullet mounted in 10" extension enclosure(s)	Listings: UL and cUL to UL 916, ETL listed to UL 924 (for emergency circuit use)
Relays:	Normally Closed (NCL), 30A @ 277VAC Ballast	SilverBullet Sub-Branch Circuit Current Limiter
	20A @ 120VAC Tungsten, 20A @ 347VAC Ballast	Enclosure dimensions: 20" w x 12" h x 4" d (6-12 supplementary breakers)
	SCCR 18kA @ 277VAC, Rated 250,000 Cycles	Enclosure type: Surface mount, hinged locking door, NEMA 1
Optional relays:	Normally Open	Max. humidity: 10–90% non-condensing
	2-Pole – NO or NC (480VAC), Double Throw	Ambient temperature: 32–104° F (0–40° C)
		Listings: UL listed UL 508, breakers UL 489 Type