

OVERVIEW

The Quintessence Breaker Panel is a standard GR 2400 Relay Panel integrated with a standard breaker panel to provide the same features as a controllable breaker panel with added flexibility. Available as a MLO or with a MAIN breaker, the Quintessence Breaker Panel has the option of being configured as a top feed or bottom feed panel. Each Quintessence Breaker Panel is factory pre-wired and arrives pre-assembled to save installation labor costs.

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
- Mail lugs (MLO) or Main breakers
- Retrofit chassis
- RJ45 connectors that can link up to 127 digital addresses via CAT5 patch cable
- Modem for basic programming changes
- AIC up to 65K
- Remote programming via modem

Warranty

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

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 Breaker Panel



ORDERING INFORMATION

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

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

Please see the tech sheet for the Smart Breaker Panel and enter as usual with these exceptions:

- Use "QBP" in place of "GR 2400SBP" for the panel and breakers
- You must choose Surface Mount, NEMA 1 (SM NE1)
- You must choose bottom feed orientation (BOTTOM)
- You must choose remote for the clock option (REMOTE)
- You may not select remote breakers, all other breaker types are available in identical quantities
- Enter the breakers as separate line items per the tech sheet with no variations in the nomenclature

Example:

GR2448 ENC SM NE1

GR2448 INT 12NCL 24NCL 12DPNC DTCMOD DV

QBP CHASSIS 120V208V 225AMP MAIN 65K REMOTE SM NE1 BOTTOM

QBP BRKR 1P15ABB (quantity is specified on line entry - 14 for this example)

QBP BRKR 1P20ABB (quantity is specified on line entry - 10 for this example)

QBP BRKR 2P30ABB (quantity is specified on line entry - five for this example)

QBP BRKR 3P100ABB (quantity is specified on line entry - two for this example)


QBP BSPP (quantity is specified on line entry - two for this example)

QBP CLIP (quantity is specified on line entry - six for this example)

48 relay panel with 12 normally closed relays, 12 single pole double throw relays, 12 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 120/208V breaker panel rated at 65k AIC, with a 225A main breaker, configured as a remote panel, containing 14 15A and 10 20A 1-pole, five 30A 2-pole, two 100A 3-pole branch breakers, two breaker spacers and six locking clips, all installed in a combined, surface mount NEMA 1 enclosure with knockouts, designed for bottom line voltage feed.

OVERVIEW

GR 2432



20"

Depth 6"

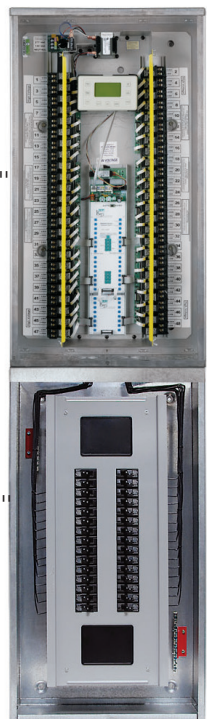
Weight 140 Pounds

GR2432 or GR2448 digital relay panel
Pre-wired to standard circuit breaker panel

- 120V or 277V
- NEMA 1 Enclosures
- Up to 400A feed
- Hinged locking doors
- Breakers prewired to specific relay per approved submittal

Note: Breaker panel length may change based on amperage and brand of breaker panel specified.

GR 2448



20"

Depth 6"

Weight 160 Pounds

Title 24 System Component

SPECIFICATIONS

Enclosure dimensions:	32 Relays 20" w x 63" h x 6" d 48 Relays 20" w x 75" h x 6" d	Power supply inputs:	120/277VAC
Enclosure type:	Surface mount, hinged locking door, NEMA 1	Programming:	Via DTC or with GX2 lighting control software
Relays:	Normally Closed (NCL) 30A @ 277VAC Ballast 20A @ 120VAC Tungsten 20A @ 347VAC Ballast SCCR 18kA @ 277VAC Rated 250,000 Cycles	Max. humidity:	10-90% non-condensing
Optional relays:	Normally Open (NOL) 2-Pole – NO or NC (480VAC) Double Throw 20A, 277VAC	Ambient temperature:	32-104° F (0-40° C)
Addresses used:	GR 2432 (4), GR 2448 (6)	Bus physical layer:	RS 485 (GR 2400 bus)
		Bus connector:	RJ45 connectors
		Listings:	UL and cUL to UL 916, ETL listed to UL 924 (for emergency circuit use)