

OVERVIEW

The Blue Box LT series is a cost-effective, simple alternative to traditional time clocks, twist timers, and contractor packages. The Blue Box LT comes in three enclosure sizes, each with a compact footprint that saves valuable space in retail settings, open offices, and other small-to-medium sized projects.

The Blue Box LT arrives pre-assembled and ready for installation. The Master Panel may be networked with up to 16 digital devices including remote relay panels, switches and photocells. The additional input for an outdoor photosensor may be programmed to control any relay(s) on the bus, allowing the Blue Box LT to replace expensive line-voltage cabling for override switches and photocells.

The Blue Box LT series is compatible with LC&D's GR 2400 system and accessories.

FEATURES

- 100% digital
- UL listed 30A Ballast/HID, 20A Tungsten, 18,000A Short Circuit Current Rating (SCCR) @ 277V Normally Closed latching relays (NCL)
- Simple networking via Cat. 5 cable with RJ45 connectors
- Hinged locking door

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™

Blue Box™

Blue Box™ LT



ORDERING INFORMATION

ENCLOSURE and INTERIOR must be ordered on separate lines, see Examples.

| ENCLOSURE | | Example: GR1404 LT ENC SM NE1 | |
|-----------------------|--------------------|-------------------------------|-----------------------|
| Relay Panel Enclosure | | Mounting, NEMA Rating | |
| GR1404 LT ENC | 4 relay enclosure | SM NE1 | Surface Mount, NEMA 1 |
| GR1408 LT ENC | 8 relay enclosure | FM NE1 | Flush Mount, NEMA 1 |
| GR1416 LT ENC | 16 relay enclosure | | |

| INTERIOR | | Example: GR1404 LT INT 4NCL DTC DV D14 | | | |
|----------------------|-------------------|--|---|---------------|-----------------|
| Relay Panel Interior | Relays | Clock Option | Transformer | Input Card | Voltage Barrier |
| GR1404 LT INT | 4 relay interior | (qty)NCL Normally closed latching ¹ | DV Dual voltage 120/277V | [blank] none | [blank] none |
| GR1408 LT INT | 8 relay interior | REMOTE Remote panel, no clock | CNDV Canadian dual voltage ² | D14 14 inputs | 1VB 1 barrier |
| GR1416 LT INT | 16 relay interior | | 347 347V ³ | | 2VB 2 barriers |

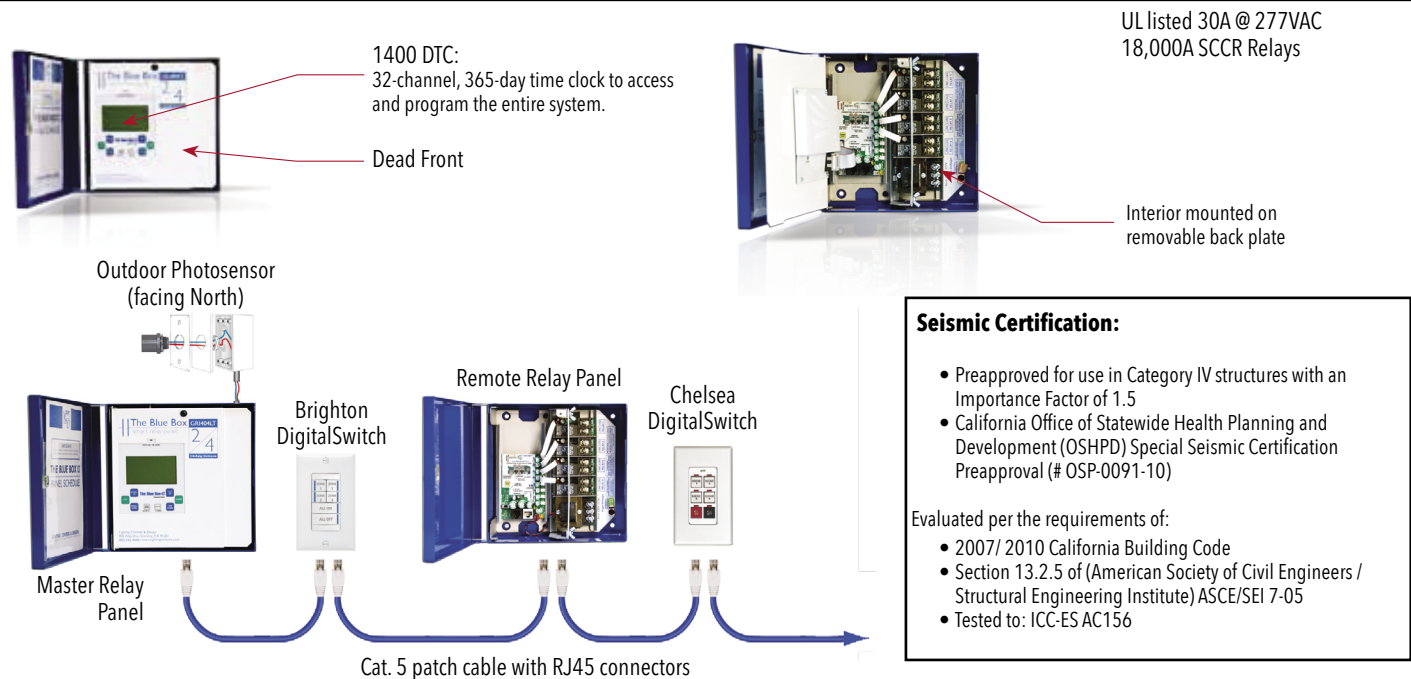
ACCESSORIES

| Relay Panel Enclosure | |
|-----------------------|----------------------------|
| PCELL 2WO BB | 2-Wire Outdoor Photosensor |

Notes:

1. If GR1404 then (4), If GR1408 then (8), and If GR1416 then (16).
2. GR1408 and GR1416 only.
3. GR1404 only.

ONE PRODUCT... THREE SOLUTIONS



Title 24 System Component

SPECIFICATIONS

Enclosure dimensions: GR1404LT (2 or 4 relays)
NEMA 1 - 8.4" w x 8.4" h x 3.125" d
GR1408LT (4 or 8 relays)
NEMA 1 - 8.4" w x 13.4" h x 3.125" d
GR1416LT (8 or 16 relays)
NEMA 1 - 10.6" w x 17.1" h x 3.125" d

Enclosure type: Surface mount, hinged locking door
Flush mount NEMA 1

Relay: Normally Closed (NCL)
30A @ 277VAC Ballast and HID
20A @ 120VAC Tungsten
20A @ 347VAC Ballast
SCCR 18kA @ 277VAC
Rated 250,000 Cycles

Contact Inputs: Optional (14) contact inputs are pull low

Max. devices per bus: 16 digital devices w/ Blue Box LT Master Panel

Addresses used: GR 1404 (1), GR 1408 (1), GR 1416 (2)

Power supply inputs: 120/277VAC (for all), 120/347VAC (for 1408 & 1416), 347VAC (for 1404 only)

Programming: Via the Digital Time Clock

Max. humidity: 10-90% non-condensing

Ambient temperature: 32-104° F (0-40° C)

Bus physical layer: RS485 (GR 2400 bus)

Bus connector: RJ45 connectors

Listings: UL and cUL 916 listed

PCELL SPECIFICATIONS

Operating range: 0-1000 fc

Addresses: 1 (with PCC1 card only)

Power supply inputs: 120/277VAC

Programming: Via the Digital Time Clock

Max. humidity: 10% - 90% non-condensing

Ambient temperature: 32-104° F (0-40° C)