

## OVERVIEW

An XPoint Router consists of two types of control card; the XPoint Router Board and the XPoint Driver Board.

The XPoint Router Board has a pair of yellow RJ45 connectors for the GR 2400 bus and a pair of white RJ45 connectors for the XPoint bus. These white RJ45 connectors act as the XPoint Port and each may drive a "string" of up to 2,000 ft of Cat. 5 wire with up to 64 modules. Thus, the XPoint bus is essentially 4,000 ft long and can drive up to 128 modules from the center of one XPoint Router Board.

The XPoint Driver Board is available as relay or dim drivers.

- Relay Driver Cards plug into the XPoint Router Board and emulate a single GR 2448 relay panel. Up to two driver boards may drive a single XPoint Port giving a maximum of 96 relays / zones emulated. The relays in the XPoint Modules are software assigned to operate as one of the emulated relays, now called a "zone" where one or more relays from the XPoint Modules may be assigned. This configuration capability allows up to 96 relays / zones on one bus, although it is more common to assign all the relays to about 12 zones.
- Dim Driver Cards also plug into the XPoint Router Board and similarly emulate the GR 2408 iDim or iDH panel. Dim Driver Cards are only available with four (0-10V) dimmers, which are relays in a DH card, four scene accessible relays, four photosensor inputs and eight dry contact scene inputs.
  - Dimmer / Relay: Each dimmer or relay can be considered a zone with dimmers assigned to dimming zones and relays assigned to relay zones. Up to four Dim Driver Cards can drive a single XPoint Port and can consist of both dimmer and up to two relay drivers. If all four boards are dimmers, there will be 16 available zones of dimming control on a single bus.
  - Photosensor and Contact Closure Inputs: The XPoint Dim and DH Modules have a photosensor and a contact closure input on each module which may be assigned to any available "soft input" on the Dim Driver Cards through software. A single photosensor may be used to control Dim/DH inputs in all four cards and the contact closure input can be assigned to a connected occupancy sensor that operates scenes in one or all four of the emulated Dim/DH cards. Occupancy sensor inputs can be "soft" programmed to be used with pull high or pull low style sensors but only one style may be used on a bus.

Note: The photosensor and contact closure inputs only operate on relays or dimmers assigned to Dim/DH cards. They do not work with relays assigned to relay drivers on the same port.

Listing: UL and cUL listed to UL 916, UL 924, CA C22.2#205

## FEATURES

- Dual relays allowing 256 relays per XPoint Router
- Up to 128 XPoint Modules
- 4 (0-10V) dimmers / relays
- 4 scene accessible relays
- 4 photosensor inputs
- 8 dry contact scene inputs

## 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™**

XPoint™ Wireless

GR 2400™  
XPoint™ Router



## ORDERING INFORMATION

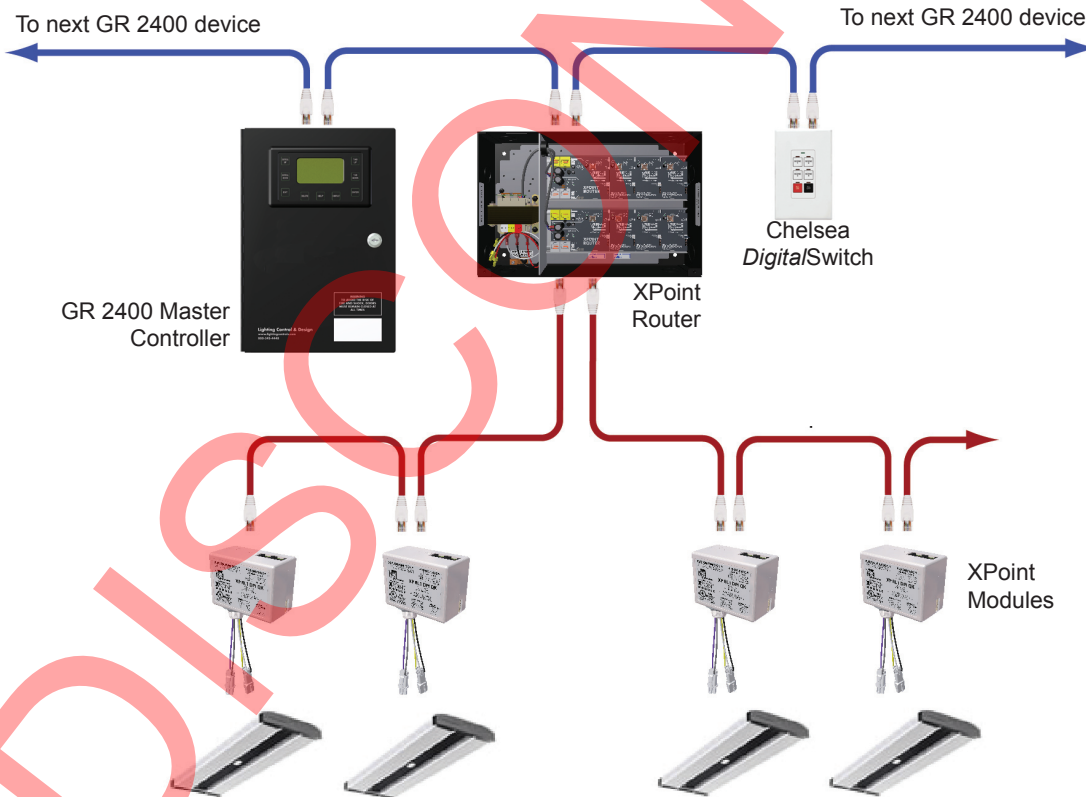
Series	XPoint Router Card 1	XPoint Router Card 2 (optional)	Transformer	Mount & NEMA Type
GR 2400XP XPoint Router	Relay Switching Only 48RZX1 48 relay zones 96RZX1 96 relay zones  Dimming Only 4DZX1 4 dimming zones 8DZX1 8 dimming zones 12DZX1 12 dimming zones 16DZX1 16 dimming zones	Relay Switching Only 48RZX2 48 relay zones 96RZX2 96 relay zones  Dimming Only 4DZX2 4 dimming zones 8DZX2 8 dimming zones 12DZX2 12 dimming zones 16DZX2 16 dimming zones	DV Dual voltage 120/277V  CNDV Canadian dual voltage 120/347V	SM NE1 Surface mount, NEMA 1 FM NE1 Flush mount, NEMA 1

### Examples:

GR 2400XP 96RZX1 DV SM NE1  
XPoint Router with one XPoint Router Card configured for 96 relay zones, 120/277V dual voltage transformer, in a surface mount NEMA 1 enclosure

GR 2400XP 96RZX1 8DZX1 48RZX2 12DZX2 CNDV SM NE1  
XPoint Router with two XPoint Router Cards, one configured for 96 relay zones and eight dimming zones, the other configured for 48 relay zones and 12 dimming zones, 120/347V dual voltage transformer for Canadian voltage, in a surface mount NEMA 1 enclosure

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### 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

Note: Routers are ordered separately from XPoint Modules. A single router card has two ports. Each port may drive up to 64 modules and shall not exceed 2,000 ft.