

OVERVIEW

The MicroPanel comes equipped standard with four relays (MicroPanel-4) and provides integration features simply not available anywhere else, particularly in its daylight harvesting properties. In its extended version, the MicroPanel is a compact lighting controller with up to eight switching (iDH) and four 0 - 10V dimming (iDM) outputs. For more points of control, the MicroPanel-8 provides 8 switching outputs, 4 of which can be dimmed outputs using a single control card. For applications that require more than four 0-10V dimming outputs, a second control card may be added.

FEATURES

- Digital (global) or local wall switches
- Digital (global) or local photosensors and occupancy sensors
- GR 2400 system integration
- Time-of-day scheduling
- Back plate mounting to allow enclosure only to be shipping for rough-inK
- Normal or Emergency Power rating

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™
MicroPanel



ORDERING INFORMATION

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

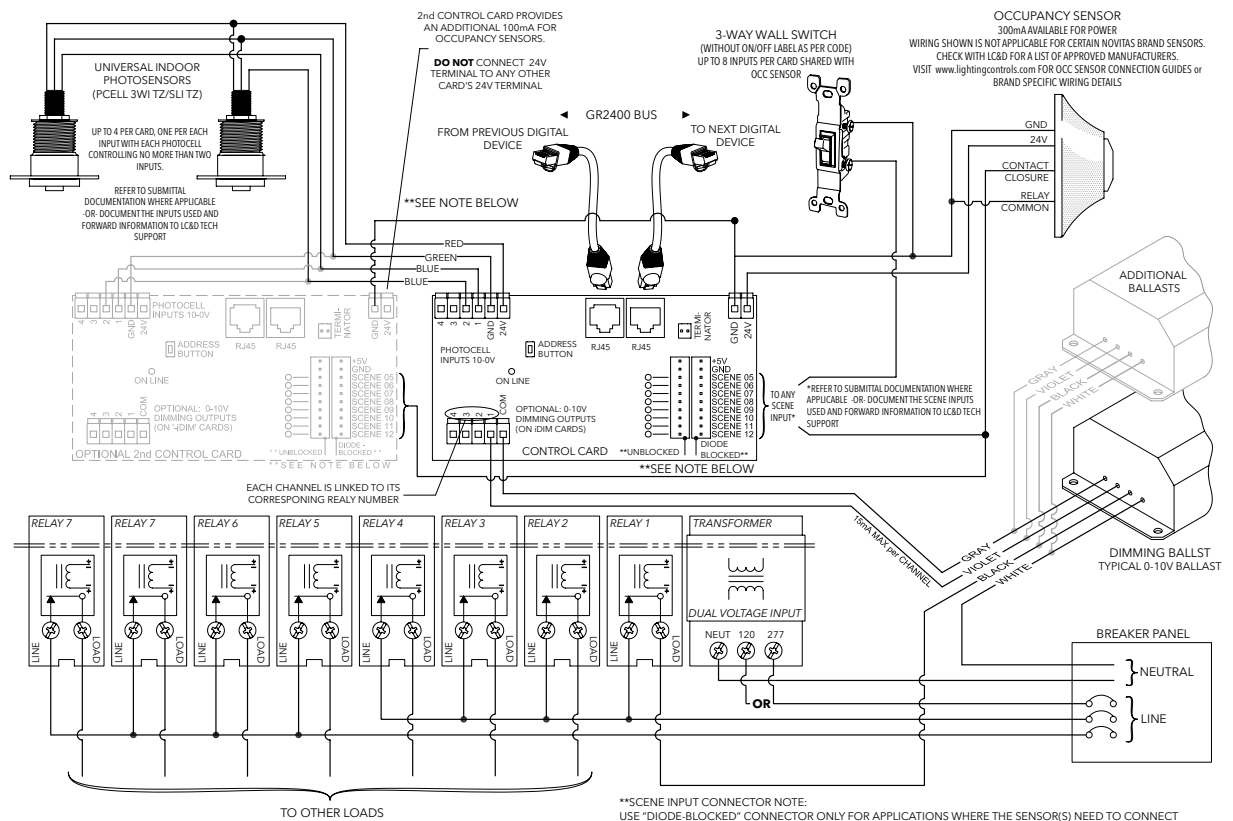
INTERIOR						Example: GR2404 INT 4NCL IDH4 DV					
MicroPanel Interior		Relay Type		Clock Option		Transformer		Voltage Barrier		Input Card ^{2,3}	
GR2404 INT	4 Relay	[qty]NCL	Normally closed, Latching	IDH4	iDH control card for GR2404	DV	Dual voltage 120/277V	[blank]	No barrier	[blank]	No card
GR2408 INT	8 Relay	[qty]NOL	Normally open, Latching	IDH8	iDH control card for GR2408	347	347V	1VB	1 barrier ¹	D14	14 inputs (no enable/disable)
		[qty]DPNC	Double pole, normally closed	IDIM4	iDim control card for GR2404						
		[qty]DPNO	Double pole, normally open	IDIM8	iDim control card for GR2408						
		[qty]RRP	Reed relay pair								
		[qty]SPDT	Single pole, Double throw								
		[qty]SPDTC	Single pole, Double throw contractor								

ENCLOSURE				Example: GR2404 ENC SM NE1			
MicroPanel Enclosure				Enclosure Mounting, NEMA Rating			
GR2404 ENC	4 relay enclosure			SM NE1	Surface Mount, NEMA 1		
GR2408 ENC	8 relay enclosure			FM NE1	Flush Mount, NEMA 1		
				SM NE4	Surface Mount, NEMA 4		
				SM NE12	Surface Mount, NEMA 12		
				SM NE4X	Surface Mount, NEMA 4X		

Notes:

1. Compliance with all codes concerning any internal barrier for normal and emergency power separation is up to the discretion of the authority having jurisdiction.
2. Input card option for GR2404 INT requires a GR2408 ENC. Input card option for GR2408 INT requires an additional GR2404 ENC to be specified.
3. Input card option requires NEMA1 enclosure.

OVERVIEW



Title 24 System Component

DIMENSIONS

MICRO PANEL-4 (2 OR 4 RELAYS)

- NEMA 1 - 8.375" W x 8.375" H x 3.125" D
- NEMA 4/4X/12 - 12"W x 16"H x 6"D

MICRO PANEL-8 (6 OR 8 RELAYS)

- NEMA 1 - 12.875" W x 8.375" H x 3.125" D
- NEMA 4/4X/12 - 16"W x 20"H x 6"D

SPECIFICATIONS

Electrical

- Power Supply Input: 120/277VAC or 120/347VAC
- Accessory Power (For Occupancy Sensor): 24VDC, 450mA

Mechanical

- Surface mount,, NEMA 1, screw cover door,
- EZ-Find™ yellow powder coat
- Flush mount NEMA 1 available
- Surface mount NEMA 4, 4X, 12 available

Environmental

- Ambient: 32°F to 104°F (0°C to 40°C)
- Relative Humidity: 10-90% non-condensing

Standards

- UL and cUL to UL 916, available for mounting in an air plenum (with suitable enclosure) for City of Chicago
- ETL Listed to UL 924 (for emergency circuit use)

Addresses Used

- Micro Panel-4 (2), Micro Panel-8 (2), with optional 2nd control card and (4) on a double card

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

Standard Relay NCL (Normally Closed)

- 30A@277VAC Ballast
- 20A@120VAC Tungsten
- 20A@347VAC Ballast
- SCCR 18kA @ 277VAC
- Rated 250,000 Cycles

Optional Relays

- Normally Open (NOL)
- Two Pole - NOL or NCL (480VAC)
- Double Throw - 20A@ 277VAC

Inputs/Outputs

- Photosensor Inputs - 4 (8 with optional 2nd control card)
- Local Switch Inputs - 8 (16 with optional 2nd control card)
- 0-10V Dimmed Outputs - 4 (8 with optional 2nd control card, 15mA per channel)

Programming

- Via Digital Time Clock (DTC) or with PC via GX2 lighting control software