

Synergy®

### Intended Use

A unique lighting control system that integrates all aspects of lighting control into a single system platform. Combines architectural dimming, low voltage switching, lighting automation and energy management functions into a single scalable package capable of meeting the requirements of virtually any lighting control application.

### Features

Combines the most popular aspects of lighting automation with full-featured low voltage switching and architectural dimming functions.

Switching and dimming functions may be controlled manually or scheduled on a weekly or calendar date basis. Functions may be set up using the integral LCD alphanumeric display and keypad or through the use of a personal computer with optional SYSW graphic software.

Panels can operate individually as stand-alone lighting controllers or optionally in a network configuration with distributed intelligence. A choice of system controllers allows customization to best meet the requirements and budget of each project.

Provides capacity for a maximum of 48 relays or 30 dimmers per enclosure. Enclosures can operate in a master/secondary configuration, providing control of up to 96 outputs from a single controller. Relays and dimmers are each rated for control of one lighting circuit at the listed voltage.

### Listings

UL Listed to US and Canadian safety standards. California Title 24 certified.



### Ordering Information

Example: **SYELB 16RB1 18DBI MLX NBAR DMX**

Series	Output quantity/type	Controller type	Main feed options	Options
<b>SYES</b> Small enclosure, 2 modules max.	<b>_DB1</b> Qty. 120V 2KW dimmers with six 20A circuit breakers, six dimmers per module	<b>MLS</b> Stand-alone system controller	(blank) No tap feed lugs, no main breaker	(blank) Panel ships as components consisting of enclosure, power modules and controller
<b>SYEM</b> Medium enclosure, 4 modules max.	<b>_DB2</b> Qty. 277V 3.5KW dimmers with four 20A circuit breakers, six dimmers per module	<b>MLX</b> Network system controller	<b>ML</b> Tap-feed lugs for powering up to four cabinets from a single main feed. Requires 2 module positions; requires power modules with circuit breakers	<b>FA</b> Panel ships fully assembled (controller and relay modules factory-installed in enclosure)
<b>SYEL</b> Large enclosure, 6 modules max.	<b>_DB3</b> Qty. 120V 1.5KW dimmers with six 15A circuit breakers, six dimmers per module	<b>SCP</b> Secondary panel, less controller	<b>MB_</b> Main breaker, 3 pole, specify # of amps	<b>DMX</b> Dimming interface required for connection to DMX512 control
<b>SYESB</b> Small enclosure with breaker door, 2 modules max.	<b>_DB4</b> Qty. 277V 3.3KW dimmers with four 15A circuit breakers, six dimmers per module		<b>NBAR</b> 42 circuit neutral bar	<b>PHONE</b> Telephone interface <sup>1</sup>
<b>SYEMB</b> Medium enclosure with breaker door, 4 modules max.	<b>_R</b> Qty. single pole, 120/277 20A, eight relays per module			<b>RO</b> Remote override, accepts contact closure to force all relays to <i>full-on</i> for essential lighting applications <sup>2</sup>
<b>SYELB</b> Large enclosure with breaker door, 6 modules max.	<b>_RB1</b> Qty. single pole 20A relays, six 120V, 20A circuit breakers, eight relays per module			<b>OS</b> Occupancy sensor compatible inputs for dry contact switches or occupancy sensors <sup>3</sup>
	<b>_RB2</b> Qty. single pole 20A relays, four 277V, 20A circuit breakers, eight relays per module			<b>LEGACY</b> Allows control of legacy MiniPac®, Sequel® and MaxStar® dimmer cabinets <sup>1</sup>
	<b>_RB3</b> Qty. single pole 20A relays, six 120V, 15A circuit breakers, eight relays per module			
	<b>_RB4</b> Qty. single pole 20A relays, four 277V, 15A circuits, eight relays per module			
	<b>_CB2</b> Qty. 277V constant breakers, four breakers per module			
	<b>_CB1</b> Qty. 120V constant breakers, six breakers per module			
	<b>_HB6</b> Qty. single pole 20A relays, four 347V, 20A circuit breakers, eight relays per module			
	<b>_HB7</b> Qty. single pole 20A relays, four 347V, 15A circuit breakers, eight relays per module			
	<b>_F</b> Qty. 0-10V dimmers with single-pole 20A relays, suitable for 120/277V, eight relays and dimmers per module			
	<b>_FH</b> Qty. 0-10V dimmers with single-pole 20A relays, suitable for 120/277 and 347V, eight relays and dimmers per module			
	<b>_FB1</b> Qty. 0-10V dimmers with single 20A relays, six 120V, 20A circuit breakers, eight relays and dimmers per module			
	<b>_FB2</b> Qty. 0-10V dimmers, single pole 20A relays, four 277V, 20A circuit breakers, eight relays and dimmers per module			
	<b>_FB3</b> Qty. 0-10V dimmers, single pole 20A relays, six 120V, 15A circuit breakers, eight relays and dimmers per module			
	<b>_FB4</b> Qty. 0-10V dimmers, single pole 20A relays, four 277V, 15A circuit breakers, eight relays and dimmers per module			
	<b>_FB6</b> Qty. 0-10V dimmers, single pole 20A relays, four 347V, 20A circuit breakers, eight relays and dimmers per module			
	<b>_FB7</b> Qty. 0-10V dimmers, single pole 20A relays, four 347V, 20A circuit breakers, eight relays and dimmers per module			
	<b>_H</b> Qty. single pole 20A relays suitable for 120V, 277V or 347V operation, eight relays per module			

NOTES:

- 1 Not available with MLC controller.
- 2 Only required for \_R and RB output types. All other modules come standard with RO option.
- 3 Only required for \_R and \_RB output types. All other modules come standard with OS option. RO option included when OS option specified.



Accessories (Order separately)

- SYA SRE** Recess kit for small enclosures
- SYA MRE** Recess kit for medium enclosures
- SYA LRE** Recess kit for large enclosures
- LSA DOC** Job specific submittal and documentation