

Control Units

Analog Control Unit (Constant Voltage)

PSB4 Series

Refer to our website for product details.

CCS PSB4

Search



You can also use your smartphone or cell phone.

For quick access.

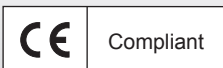
High-capacity constant current Analog Control Units Ethernet functionality enabled



PSB4-30024-PEI
(1 channel model)



PSB4-60024-2-PEI
(2 channel model)



The supplied AC cord is for use with 100 to 120 VAC. If you want to use the Control Unit with 200 to 240 VAC, you must procure another appropriate AC power cord.

Features

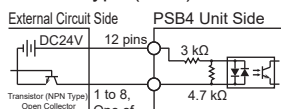
- LCD for improved legibility.
- Uses an operating knob for intuitive operation.
- Dimmer value can be set to 256 or 1,024 levels.
- Dimmer range can be switched between 3 levels.
- External control via EtherNet / parallel communication.
- Equipped with a metal connector and EL connector.

Example Connection

Refer to the "Instruction Guide" for details.

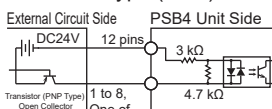
Parallel Communication External Signal Connection Example

■ Sink Type (NPN)



Photocoupler	Data	
	When COM menu LGC-PAR is "ACTIVE HI"	When COM menu LGC-PAR is "ACTIVE LO"
ON	1	0
OFF	0	1

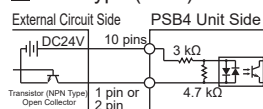
■ Source Type (PNP)



Connection Specifications (Per 1 Terminal)			
Rated Input Voltage	Max. Input Voltage	Photocoupler ON Voltage/ON Current	Photocoupler OFF Voltage/OFF Current
DC24V	DC26.4V	21.6 VDC or more/ 6 mA or more	1.5 VDC or less/ 1 mA or less

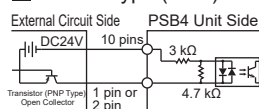
ON/OFF input External Signal Connection Example

■ Sink Type (NPN)



COM Menu LGC-TRG Setting Value	Photocoupler	Light status
ACTIVE HI	ON	OFF
ACTIVE LO	OFF	ON
	ON	ON
	OFF	OFF

■ Source Type (PNP)



Connection Specifications (Per 1 Terminal)			
Rated Input Voltage	Max. Input Voltage	Photocoupler ON Voltage/ON Current	Photocoupler OFF Voltage/OFF Current
DC24V	DC26.4V	21.6 VDC or more/ 6 mA or more	1.5 VDC or less/ 1 mA or less

Example System Configuration

(Example)



Ethernet Communication

Commercial LAN Cable
(Ethernet communication) (Dimming setting)

Parallel Communication

EXCB2-M20-3
(Parallel communication) (Dimmer control)

Trigger signal

EXCB2-M10-3
(Trigger signal input) (Lighting control)



PSB4-30024-PEI
(1 channel model)



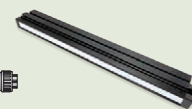
PSB4-60024-2-PEI
(2 channel model)

FCB-3-EL2
Extension Cable (3 m)
(EL connector)



LNSP2-300SW
(300mm size)

FCB-3-1.25SQ-ME7
Extension Cable (3 m)
(Metal Connector)



LNSP-600SW
(600mm size)

Various technical documents available.

- PDF Drawings
- DXF Drawings
- Product Brochures
- Instruction Guides
- 3D CAD
- Data Sheets
- Imaging Examples
- Digital Catalogs

Register to use them.

- PD3
- PD2
- PSB
- POD
- PTU2
- PF
- CN-EPOE
- CN-4024-2-EIPT
- PB-2430-1
- CC-ST-1024
- PJ2
- PJ
- CC-PJ-0707
- PSCC
- PSB4
- PSB3-30024
- Band-Pass Filters
- Lens Filters
- Diffusion Plates
- Polarizing Plates
- Light Control Films
- Fixtures, etc.
- Brackets
- SM/EL Cables

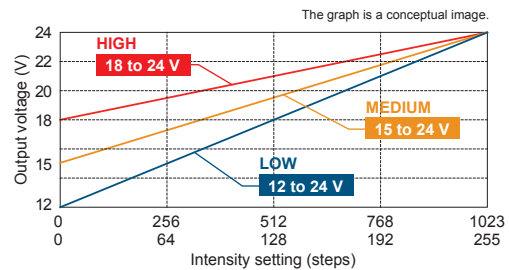
Specifications

Model name	PSB4-30024-PEI	PSB4-60024-2-PEI
Lighting method	Continuous lighting	
Drive method	Constant-voltage system	
Intensity control method	Variable voltage control	
Number of channels	1 channel	2 channels (L1, L2)
Applicable Light Unit (rated)	Metal connector: 24 V, 300 W (300 W max. per connector) EL connector: 24 V, 300 W (150 W max. per connector) Total for all connectors: 300 W max.	Metal connector (L1-1, L1-2/ L2-1, L2-2): 24 V 300 W (1 connector 300 W or less) EL connector (L1-3, L1-4/L2-3, L2-4): 24 V 300 W (1 connector 150 W or less) All L1 connectors total: 300 W or less (same as L2 connectors)
Intensity control	Manual	Operation on the front panel, 256 or 1,024 levels
	External	Command input via TCP/IP or UDP/IP communications Signal input through parallel port
ON/OFF control	External	Command input via TCP/IP or UDP/IP communications Signal input through parallel port
Input power	100 to 240 VAC (+10%, -15%), 50/60 Hz	
Output current (rating)	12.5 A	12.5 A/channel, 2 channels total: 25 A
Power consumption (typ.)	388 VA	765 VA
Inrush current (typ.)	55 A (at 100 VAC), 84 A (at 240 VAC) from a cold start	55 A/95 A (primary/secondary value, at 100 VAC), 132 A/132 A (primary/secondary value, at 240 VAC) during cold start
Ground leakage current	3.5 mA max. (264 VAC, 60 Hz, with no load)	
Insulation withstand voltage (input-output, input-FG)	1500 VAC for one minute, Cutoff current: 20 mA, 500 VDC, 20 MΩ or more	
Operating environment	Temperature: 0 to 40°C, Humidity: 20% to 85% (with no condensation)	
Storage environment	Temperature: -20 to 60°C, Humidity: 20% to 85% (with no condensation)	

Cooling method	Forced air cooling	
CE marking	Safety standard: Conforms to EN 61010-1 EMC standard: Conforms to EN 61000-6-2, EN 61000-6-4	
Environmental regulations	RoHS compliant	
Material, coating, and surface processing	Steel sheet, Cover thickness: 1.0 mm, Chassis thickness: 1.6 mm, N3 (leather tone)	
Weight	2,400 g max.	4,100 g max.
Accessories	Instruction guide, 2-m-long 3-prong AC power cord with ground terminal	

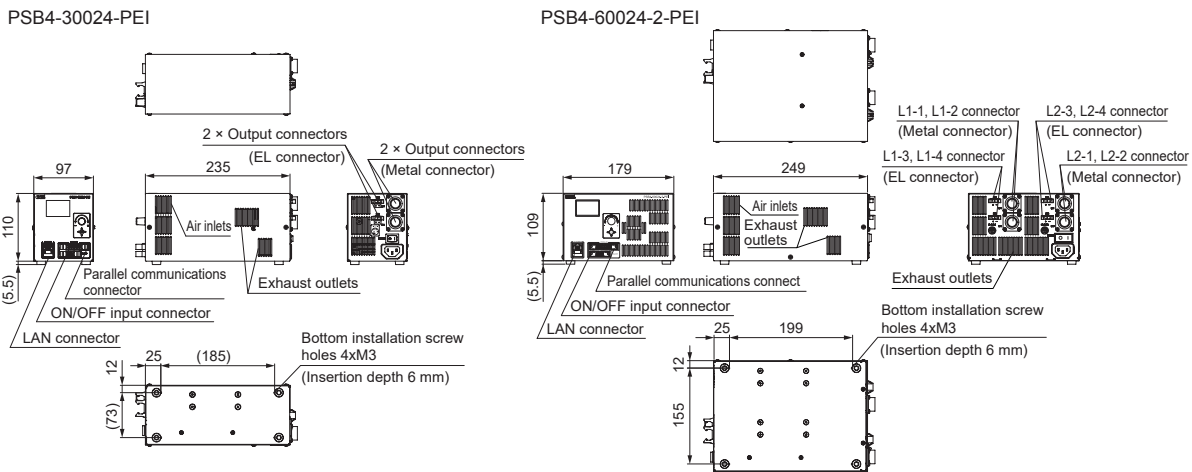
Intensity Range

Dimmer range can be switched between 3 levels. Select based on lighting characteristics or to suit the application.



* While the dimmer control is set to 256 steps, even if the dimmer value is 0 the light will illuminate.

Dimensions (mm)

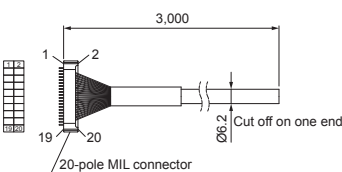


Options

Dimensions (mm)

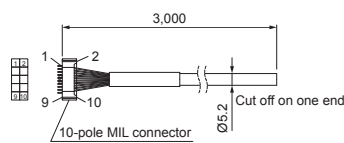
Parallel communications cable

EXCB2-M20-3 (3 m)



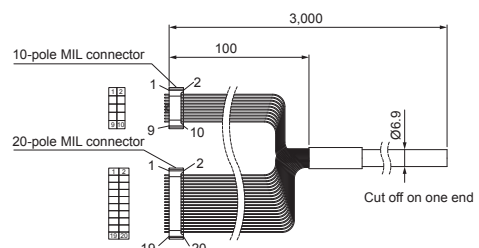
ON/OFF input cable

EXCB2-M10-3 (3 m)



Parallel communication / ON/OFF input cable

EXCB2-M10M20-3 (3 m)



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- Discontinued Products

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<https://www.ccs-grp.com/contact/>