

Analog Control Unit with a large 300 W capacity and Ethernet compatibility



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
- Operating knob enables direct control
- External control through Ethernet & parallel communications
- Equipped with metal & EL connectors
- Light intensity can be set in 256 or 1,024 Levels

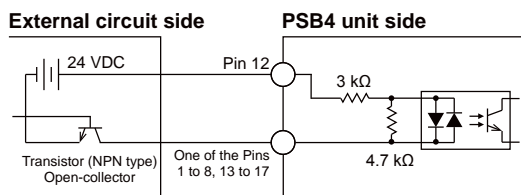
Example Connection

Refer to the "Instruction Guide" for details.

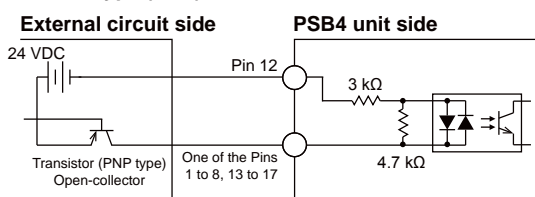
Parallel communication

Example connections of external signal

Sink type (NPN)



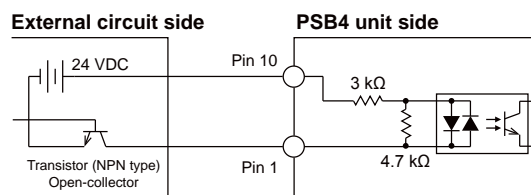
Source type (PNP)



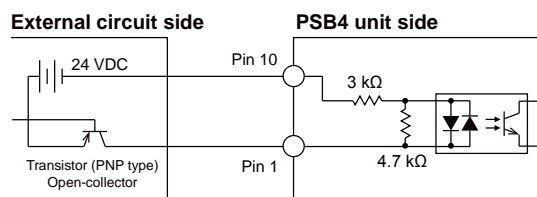
ON/OFF input

Example connections of external signal

Sink type (NPN)



Source type (PNP)



フォトカプラ	データ		Connection specifications (for each terminal)			
	COMメニュー LGC-PARが 「ACTIVE HI」の場合	COMメニュー LGC-PARが 「ACTIVE LO」の場合	Rated input voltage	Maximum input voltage	Photocoupler ON voltage / ON current	Photocoupler OFF voltage / OFF current
ON	1	0	24 VDC	26.4 VDC	21.6 VDC min. / 6 mA min.	1.5 VDC max. / 1 mA max.
OFF	0	1				

Setting of the LGC-TRG item on the COM Menu	Photocoupler	Light Unit status	Connection specifications (for each terminal)			
			Rated input voltage	Maximum input voltage	Photocoupler ON voltage / ON current	Photocoupler OFF voltage / OFF current
ACTIVE HI	ON	Light Unit OFF	24 VDC	26.4 VDC	21.6 VDC min. / 6 mA min.	1.5 VDC max. / 1 mA max.
	OFF	Light Unit ON				
ACTIVE LO	ON	Light Unit ON				
	OFF	Light Unit OFF				

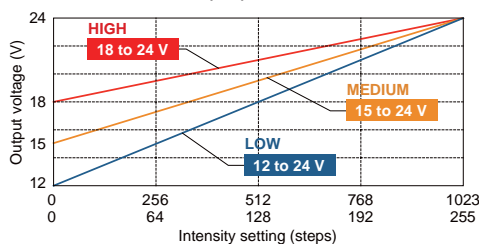
Specifications

Model name	PSB4-30024-PEI	
Lighting method	Continuous lighting	
Drive method	Constant-voltage system	
Intensity control method	Variable voltage control	
Number of channels	1 channel	
Applicable Light Unit (rated)	Metal connector: 24 V, 300 W (300 W max. per connector) E L connector: 24 V, 300 W (150 W max. per connector) Total for all connectors: 300 W max.	
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 with parallel bits
ON/OFF control	External	Command input via TCP/IP or UDP/IP communications Signal input with parallel bits
Input power	100 to 240 VAC (+10%, -15%), 50/60 Hz	
Output current (rating)	12.5 A	
Power consumption (typ.)	388 VA	
Inrush current (typ.)	55 A (at 100 VAC), 84 A (at 240 VAC) from a 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	

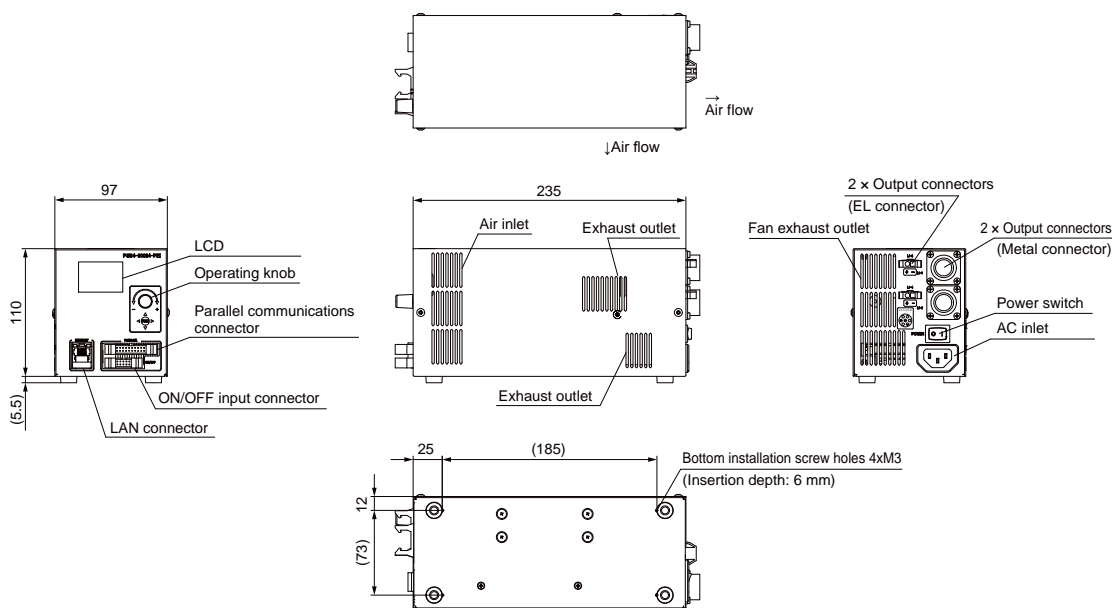
CE marking	Safety standard: Conforms to EN 61010-1 EMC standard: Conforms to EN61000-6-2, EN61000-6-4
Environmental regulations	RoHS compliant
Material, coating, and surface processing	Steel sheet, Cover thickness: 1.0 mm, Chassis thickness: 1.6 mm, N3 (leather tone)
Weight	2,400 g max.
Accessories	Instruction guide, 2-m-long 3-prong AC power cord with ground terminal

Intensity Range

You can set any of three light intensity ranges. You can choose an intensity range to match the Light Unit characteristics and the purpose of use.



Dimensions (mm)

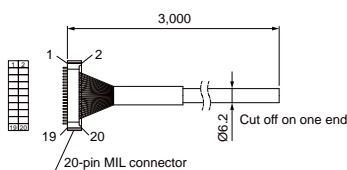


Options (Sold Separately)

Dimensions (mm)

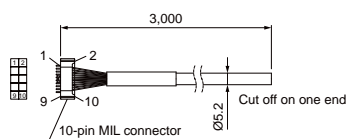
Parallel communications cable

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)

