

Digital Control Units for LED Lights

PD4-A Series



Lineup of 6 Models

30 W Model



120 W Model



AC power cable will not be included in the model with "-NC" at the end. The product with the model name with "-NC" at the end conforms to the KC standards. For customers in Korea and Europe, please select model name with "-NC" at the end. Example model: PD4-3024A-2-E-NC

Features

- Continuous lighting, ON/OFF mode, and strobe mode
- Trigger input signals and parallel input signals support both NPN and PNP connection
- Trigger output function simplifies the synchronization of the camera and lighting
- With the recipe setting function, up to 8 lighting patterns can be registered
- Real-time information monitoring from applications, such as operating status and operation logs

Enhanced with additional features from the conventional control units PD4 Series

- 5 V to 24 V trigger input signals and parallel input signals are supported
- Can be switched to PWM frequency 500 kHz mode.*
- Enhanced sequence control functions

Each sequence can be assigned to a trigger input pin. It is possible to set the intensity value and lighting time in addition to the conventional on/off function in each step. Added function enabling change of lighting pattern implementation order and multiple implementations (up to 32 times). For other functions, please see the product page on our website.

- Enhanced PLC link function

In addition to the conventional functions, a simple setting function has been added (allowing configuration of error status + sequence number + intensity values for each channel or recipe number).

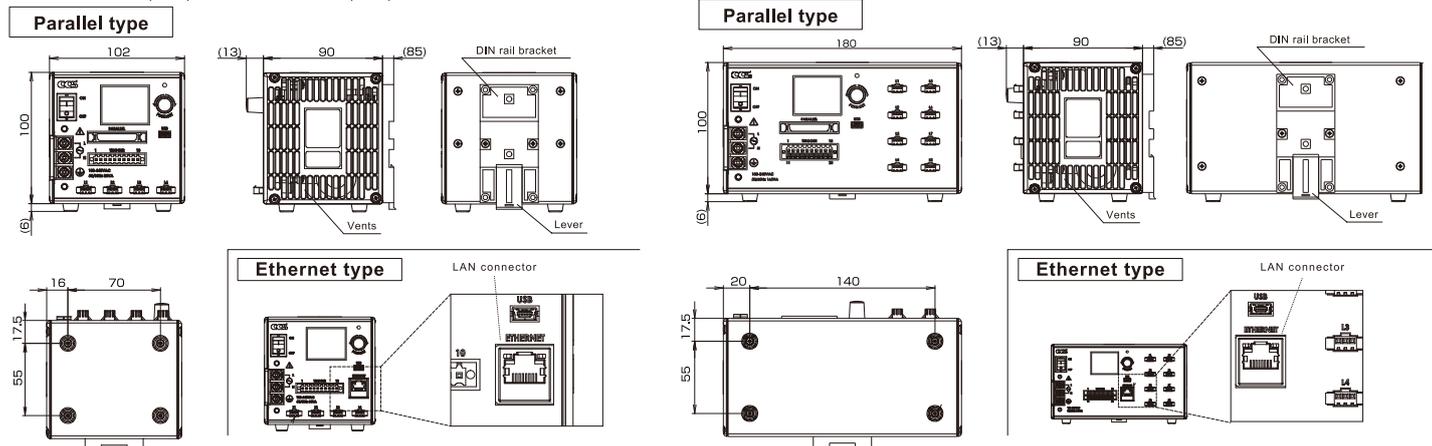
*When using the 500 kHz PWM frequency mode, there are necessary operating conditions from the perspective of CE conformity. For details, please contact our sales representative.



Dimensions (mm)

PD4-3024A-2-P (-NC) / PD4-3024A-2-E (-NC) / PD4-3024A-4-P (-NC) / PD4-3024A-4-E (-NC)

PD4-12024A-8-P (-NC) / PD4-12024A-8-E (-NC)



Function Comparison of PD4-A/PD4/PD3 Series

The red texts represent features expanded in the PD4-A Series/PD4 Series.

Series name	NEW PD4-A Series	PD4 Series	PD3 Series
Product image			
Output power and number of channels	30 W 2 channels/4 channels 120 W 8 channels	60 W 2 channels/4 channels 120 W 2 channels/4 channels	28 W 3 channels 46 W 4 channels 95 W 8 channels
Applicable light units (rated)	30 W: channel total 30 W (30 W per SM connector)	60 W: channel total 60 W (60 W per SM connector)	28 W: channel total 28 W (28 W per SM connector)
	120 W: channel total 120 W (60 W per SM connector)	120 W: channel total 120 W (60 W per SM connector, 120 W per EL connector)	46 W: channel total 46 W (46 W per SM connector)
Intensity setting	Select from 1,024 levels and 256 levels *1	Select from 1,024 levels and 256 levels	256 levels
PWM frequency	Select from 125 kHz and 500 kHz *1	125 kHz	125 kHz
External control	Parallel, USB communications / Ethernet, USB communications	Parallel, USB communications / Ethernet, USB communications	Parallel/Ethernet/Serial communications
Trigger input voltage	5 - 24 V	24 V	24 V
Trigger input circuit method	NPN/PNP	NPN/PNP	NPN
Trigger input source output lighting settings	Yes (Multiple selection available)	Yes (Multiple selection available)	No
Keepalive function	Yes	Yes	No
PLCCOM communication	Yes (Command mode, simple setting function mode)	Yes (Command)	No
Sequence control function	Yes	Yes	No
Recipe function	Yes	Yes	No
Spot lights HLV3 Series connection	Via power adapter	Via power adapter	Direct connection available*2*3

*1 When using the 500 kHz PWM frequency mode, the intensity setting is limited to 256 levels. *2 Except 28W 3-channel model *3 Except HLV3 Series 1000mA model

Product Lineup Comparison

Output power/number of channels	2 channels		4 channels		8 channels
30 W Class	NEW PD4-A Series  PD4-3024A-2	PD3 Series  PD3-3024-3	NEW PD4-A Series  PD4-3024A-4		
60 W Class	PD4 Series  PD4-6024-2	PD3 Series  PD3-5024-4	PD4 Series  PD4-6024-4		
120 W Class	PD4 Series  PD4-12024-2	PD4 Series  PD4-12024-4	PD3 Series  PD3-10024-8	NEW PD4-A Series  PD4-12024A-8	

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Notes

- To ensure proper and safe use of the product, please read the Instruction Guide completely before using the product.
- The design and specifications of this product are subject to change without notification for the purpose of product improvement.



Vision Light Tech
creating optical solutions