Strobe function available by assembling with Digital Control Unit PD2 series
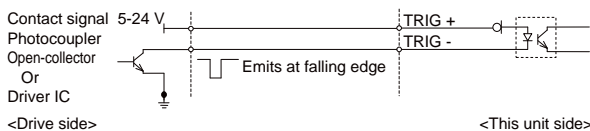

CE Compliant

Features

- Enables use of continuous lighting as strobe lighting.
- You can set strobe lighting time from 0.01 to 99.99 msec.
- External trigger signal provides ON/OFF control of power at the specified pulse width and strobe lighting of LED Lights.
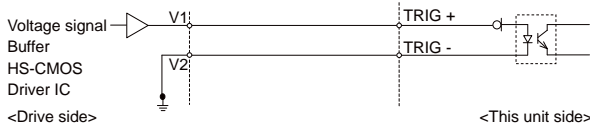
Example Connection
Refer to the "Instruction Guide" for details.

External signal
Example connection

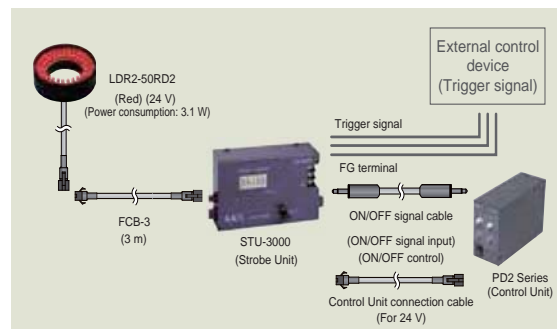(1) Non-voltage contact drive (using the drive-side Control Unit)

Contact signal 5-24 V
Photocoupler
Open-collector
Or
Driver IC

TRIG +
TRIG -
Emits at falling edge

<Drive side>   <This unit side>

(2) If driven by the high-pulse voltage output signal

Voltage signal
Buffer
HS-CMOS
Driver IC

V1
V2

TRIG +
TRIG -

<Drive side>   <This unit side>

Example System Configuration

Example:
LED Light — Extension cables — Strobe Unit — Control Unit (PD2 series)

External control device

LDR2-50RD2
(Red) (24 V)
(Power consumption: 3.1 W)

External control device
(Trigger signal)

Trigger signal

FG terminal

FCB-3
(3 m)

STU-3000
(Strobe Unit)

ON/OFF signal cable

(ON/OFF signal input)
(ON/OFF control)

Control Unit connection cable
(For 24 V)

PD2 Series
(Control Unit)

Specifications

Model name	STU-3000
Input connector	SMP-04V-BC (12 or 24 VDC) M3 terminal block 3P (trigger inputs, FG connection terminals)
Output connector	SMP-02V-BC (12 VDC) SMP-03V-BC (24 VDC) M3 jack (ON/OFF signal)
Trigger	Photocoupler input, 5 to 24 VDC, current 5 mA max. Pulse width of 20 µs or more and rising edge of 10 µs max.
ON/OFF signal	Connected with input jack on the PD2 Control Unit for light ON/OFF signal Center: Signal line, Sleeve: GND
Lighting time	0.01 to 99.99 ms
Lighting delay	10 µs max.
Accessories	ON/OFF signal and Control Unit connection cables
Weight	400 g max.
Connectable Control Units	PD2-1012 / 1024 / 3012 / 3024 / 5012 / 5024 / 3012-2 / 3024-2

Dimensions (mm)

Pulse width setting switch   Trigger input terminal

Light Unit output connector
(For 12 V: 2-pin)

Light Unit output connector
(For 24 V: 3-pin)

Test button

Control Unit input connector (4-pin)   ON/OFF signal input jack

110   31
70
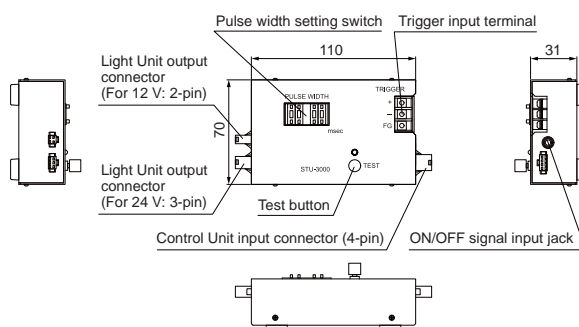
You can inquire using our website.

Sample Testing | Light Unit Selection | Free Product Trial | Custom Orders | Product Details | Pricing/ Quotation | Discontinued Products

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