

- Mode selection
mode for lighting. Use certain one you want
(1) CONTINUOUS mode (CONT) : continuously lighting (2) EXTERNAL TRIGGER mode (TRIG) : lighting by trigger input (3) STROBE mode (STB) : lighting 2 times brighter by trigger input
- Lighting condition setting for each mode
(1) CONTINUOUS mode(CONT)

Mode change SW to "CONT"
Lighting level setting
Set by cross key to change digital value. 400 steps from

- Operation key
- (UP):Inclease value
- (DOWN):Decrease value

4 (LEFT):Change setting colum to left

- (RIGHT):Change setting colum to right

Changing CH
Setting CH changes when CH/ENT key is pushed $\mathrm{CH} 1 \oslash \mathrm{CH} 2$ After push CH/ENT key, CH number is displayed 1 sec .
(2)EXTERNAL TRIGGER mode (TRIG) - Mode change SW to "TRIG"

Lighting level setting
Set by cross key to change digital value. 400 steps from 1 (MIN) -399 to ALL(MAX).

- Operation key
- (UP):Inclease value
- (DOWN):Decrease value

4 (LEFT):Change setting colum to left

- (RIGHT):Change setting colum to right

Changing CH
Setting CH changes when CH/ENT key is pushed $\mathrm{CH} 1 \diamond \mathrm{CH} 2$. After push CH/ENT key, CH number is displayed 1 sec .

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| :---: | :---: |
| Omendeame | F「H |

Timing chart (TRIG mode)
The light is emitting by external trigger as the chart.
The pulse is ignored when the light is emitting. TRIG1/TRIG2

Lighting $\mathrm{CH} 1 / \mathrm{CH} 2$
Pluse delay time(Tdelay)

mission delay : $0-999 \mathrm{~ms}$ by ms (defautr 0 ms )
Emission time : $0.1 \mathrm{~ms}-99.9 \mathrm{~ms}$ by 0.1 ms (default ALL)
ALL : light emitting as long as the trigger is ON
Emission delay and Emission time can be set in SET mode
Attention
Do not look straigt to lightings when changing mode SW. The lightings flashes when the mode SW is changed CONT $\Rightarrow$ TRIG or SET $\Rightarrow$ TRIG.
9.Lighting level setting by parallel input

The following setting is possible by parallel input.

1) CONT mode and TRIG mode : light intensity value change $\quad$ Timing char 1) CONT mode and TRIG mode: :light intensity value change

Process of parallel input

- Input D1 - D9 binary data
- Select CH by SEL input
- The value will be fixed by SAVE input.

SAVE $\begin{aligned} & \text { ON } \\ & \text { OFF }\end{aligned}$


| PIN No. | Signal | $1 / 0$ | Fanction |  |
| :---: | :---: | :---: | :---: | :---: |
| DI1 | D1 | Input | Data 1bit(low) | 1) CONT/TRIG mode <br> Set Luminance value by D9 - D1, 9bit binary data. <br> Range 1-400 (binary 000000001-110010000) <br> 2) STB mode <br> Set Strobe Lighting time by D9 - D1, 9bit binary data. <br> Range $0.01-5.00 \mathrm{~ms}$ ( $1-500$ binary 000000001-111110100) |
| D12 | D2 | Input | Data 2bit |  |
| D13 | D3 | Input | Data 3bit |  |
| D14 | D4 | Input | Data 4bit |  |
| D15 | D5 | Input | Data 5bit |  |
| D16 | D6 | Input | Data 6bit |  |
| D17 | D7 | Input | Data 7bit |  |
| D18 | D8 | Input | Data 8bit |  |
| D19 | D9 | Input | Data 9bit(High) |  |
| D111 | SEL | Input | CH select(OFF:CH1,ON:CH2) |  |
| DI12 | SAVE | Input | Memory function "ON": The data stored in FLASH memory Memory function "OFF" : The data stored in RAM memory . For more information please refer to " 7 . Setting " |  |

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Do not input TRIG1/2 during setting by parallel input. Make sure the timing is correct.

## 11.Error message

| Display | Reason of error | Behavior | Way to recover |
| :---: | :---: | :---: | :---: |
| Er1 | Over current at CH 1 | - Stop light emission <br> - Error output ON (parallel D01:ERR) | - Shutdown the controller (power supply) and check the light condition and wiring. Then restart controller. <br> * If everything is correct but error happens, the product (light or controller) would be defected. |
| Er2 Er I | Over current at CH 2 | - Stop light emission <br> - Error output ON (parallel D01:ERR) |  |
| Er3 | Over current at CH 1 and CH 2 | - Stop light emission <br> - Error output ON (parallel D01:ERR) |  |
| Er4 E1-1 | Wright error by parallel input | - Stop light emission <br> - Error output ON (parallel D01:ERR) | - Input Error Clear (parallel DI10:CLR) <br> * After error clear, try again with correct timing |
| Er5 In In | No light connected in CH 1 | - Stop light emission <br> - Error output ON (parallel D01:ERR) | - Shutdown the controller (power supply) and check the light condition and wiring. Then restart controller. |
| Er6 E1-1 | No light connected | - Stop light emission <br> - Error output ON (parallel D01:ERR) | - Shutdown the controller (power supply) and check the light condition and wiring. Then restart controller. |
| Er7 E1-17 | Over voltage from power supply | - Stop light emission <br> - Error output ON (parallel D01:ERR) | - Shutdown the controller (power supply) and check the light condition and wiring. Then restart controller. |

