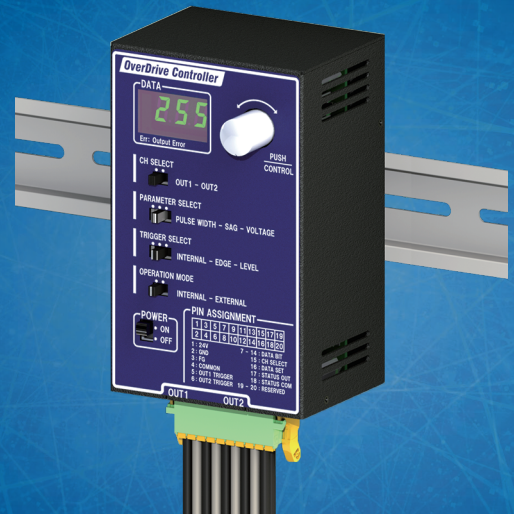


Overdrive Controller ILS series

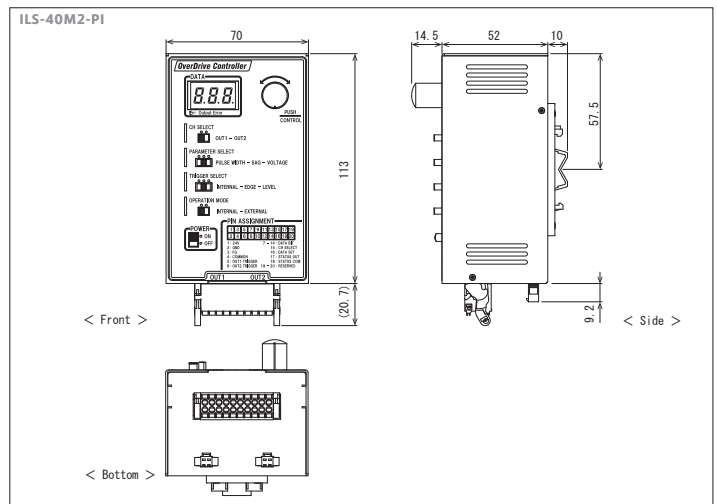
Freely step up and down from 6 V up to 36 V
The compact body allows easy storage in a cabinet



- The minimum output voltage has been extended to 6 V from 12 V of the conventional SAG power supply.
- Output control is possible from a lower light quantity
- Lighting time can be set in units of 1 μ s (edge mode), smaller than conventional products.
- Push-in type connector with no special tool required, allowing easy connection.

Power Supply Specifications

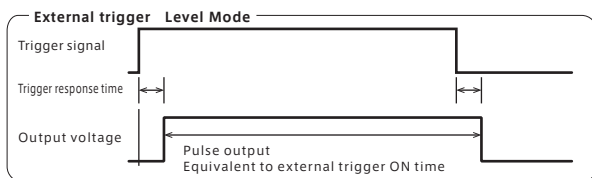
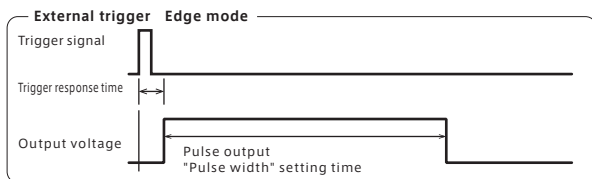
Model	ILS-40M2-PI
Channel numbers	2CH
Connectable Light	Lighting of rated voltage 12V 30W max., 20W max./ch, total 40W in both channels
Input Voltage	DC24V \pm 10% Current consumption 3A(max)
Output Voltage	6~36V (256-levels variable output voltage)
Output Current	11A/CH (peak current value)
Pulse Width Setting	Internal trigger: fixed at 4 kHz (12.5 μ s) External trigger: 0 μ s, 10 μ s~999 μ s (Duty: 5% or less)
Trigger Response Speed	Approximately 3 μ s
External Control	8bit parallel (Each CH independent) Variable output voltage (from 6V to SAG value)
Protection Function	Overcurrent / Overvoltage protection DC trigger protection: No light emitted light for more than 1 ms. Continuous Trigger Protection (Interlock).



Various trigger functions

Trigger mode can be selected from 3 types. Light emission time can be set in units of 1 μ s (edge mode)

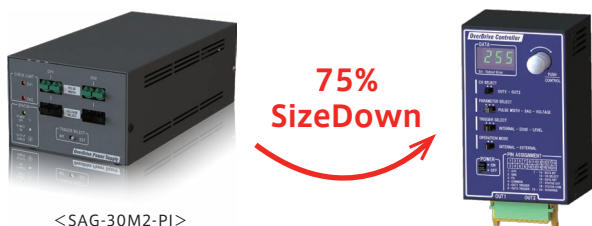
Trigger type	Lighting timing	Lighting time
Internal trigger	Light emission with emission frequency 4 kHz	Off (pulse width 0) or 12.5 μ s
Edge mode	Receives an external trigger and emits light	"Pulse width" set time (0 μ s, 10 to 999 μ s)
Level Mode	Receives an external trigger and emits light	ON signal input time of external trigger signal



*For trigger signal recognition, Recognition time of 10 μ s or more is required.

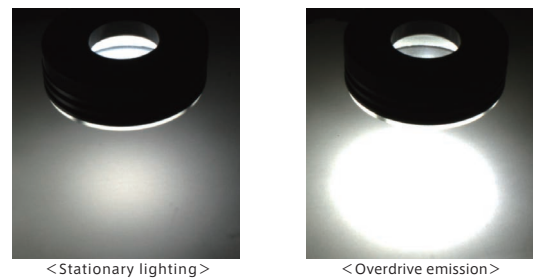
Compact design

© Compared with the overdrive power supply SAG-30M2-PI using the same control type, the width and the depth is reduced by 37% and 75% respectively, downsized to about 1/4. (When compared with the enclosure size, excluding the dial and the connector parts)



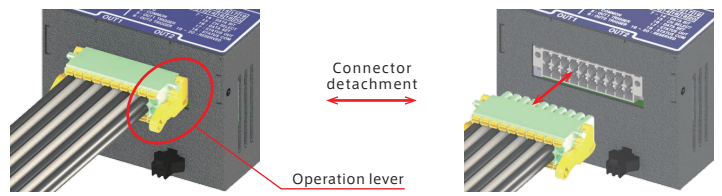
<SAG-30M2-PI>

Overdrive emission

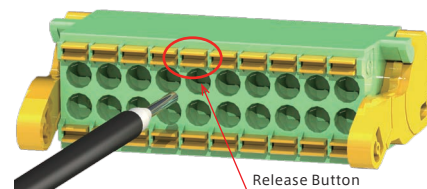


Compared to the light intensity of constant lighting (stationary lighting), it is possible to instantaneously emit light with several times the intensity from the maximum 36 V output. Ideal for the scenes where high intensity lighting is required according to the camera imaging, especially for inspections of high speed mobile body.

Easy connection without tools



© Simple attachment and detachment of connector.
Easy connection with detachable connectors and a lever on the side of the connector. Installation work available even in narrow distribution boards, as the space is greatly reduced.



© Adopts a push-in connector
Easily to connect/disconnect with release button operation. For bar terminal, just insertion makes connection without button operation.

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