Instruction Manual for
Adjustable Voltage Power Supply for LED Lights
OPPV－10－1（10W　Power supply）

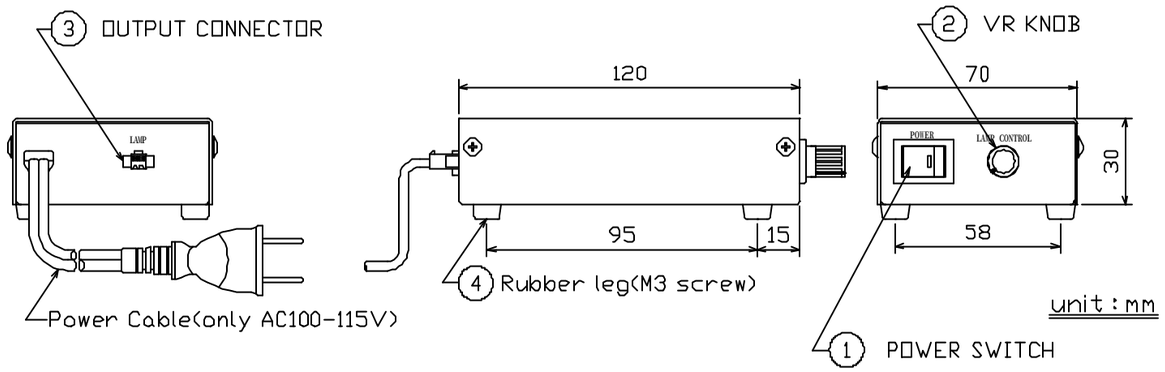
1. Product outline

- This product is an adjustable power supply only for LED Lights. Please do not use it in addition to our company's LED Lights.
- When changed the output voltage with a knob of front panel, can control brightness of LED Light.

2. Accessories and appearance

Accessories: Instruction Manual (this sheet)　　1 piece

Appearance



3. Safety

⚠ Warning		
(1)	Do not open the cover of a unit. There is a portion of high voltage inside of a power supply, and there is a possibility of receiving an electric shock in it.	
(2)	Connect directly the plug of a power supply to a wall socket. There is a cause of fire when you use an extension cable.	
(3)	Do not touch a power supply plug by the wet hand. There is a possibility of receiving an electric shock.	
(4)	Use a power supply, grounding it. When not grounded, there is a possibility of receiving an electric shock.	
(5)	When abnormalities to which a main part gets hot, a strange smell and/or smoke comes out arise, stop use immediately, shut off a power supply and pull out a power supply plug from a wall socket.	
(6)	Do not look at LED Light directly, it may have bad influence on your eyes.	

⚠ Cautions	
(1)	Make connection of AC input cable and a LED Light cable after turning off the switch of a power supply unit.
(2)	Do not place any objects on a power supply.
(3)	Do not expose a power supply unit to sunlight or humidity directly.
(4)	When not used for a long period of time, pull out a power supply plug from the unit.
(5)	LED Light should be used at the strength of light at least in a half, when you use the constant light always, since a life will become short if used in the environment of a high temperature.
(6)	When abnormalities happen at a power supply unit, stop use immediately and contact to our company. Do not repair by the customer. （A product cannot be guaranteed, when a customer has an inside of a power supply changed or repaired.）

≪ Product warranties ≫

1. If it should break down within the term of a guarantee(delivery-of-goods day for 12 months) under a customer's normal use condition based on notes, such as this handling description, or when initial [poor] accepts, We will carry out repair and exchange of a failure part gratuitously.
2. However, We cannot guarantee on condition that external factors [, such as strong shock / natural disaster / water, steam oil, acid, radiation, etc.,], such as an error on use / use of the lighting equipment of those other than our company / unjust decomposition, and reconstruction / fall, etc.

4. Specifications

4－1 Input-and-output voltage

Input voltage	：	AC100V 0.5A(MAX)
Frequency of operation	：	50/60Hz
Rated output	：	DC12V　1.66A

4－2 Control of brightness

Method of control	：	Changing output voltage
System of control	：	Control the brightness by the VR knob ②
Range of control	：	DC6.6V~12V (At the environmental within the limits of operational condition)

※ Since the scale position does not correspond to the adjusted bright level, please use a scale as a reference.

※ Brightness control range (a lighting range and a lights out range) has a different case with a lighting equipment.

4－3 Environment of operation

Circumferential temperature	：	-10 ～ +40℃
Circumferential humidity	：	20 ～ 70%RH （Don't dew）

4－4 Connectors

・Output connector (LAMP ③)：SM connector SMP-02V-BC (Made by JST)

Pin No.	12V output type
1	Output +(+12V)
2	Output -

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