

# Multi-channel Constant-current Power Supply IDCA series

Constant-current Power Supply capable of running a wide range of lights



## Allows simultaneous connection of DC 12V lights and spot lights

**Applicable Lights**  
12V DC light (IDR series, etc) \*There are limits to lighting that can be connected.

**Applicable Lights**  
·IHV ·IHVE ·IBF series

The upper row of each channel allows direct connection of DC 12V light, while the lower row allows direct connection of current-control lights such as the IHV, IHVE, and IBF series.

When lights are connected to both the upper and lower rows at the same time, priority is given to lower row output.

## Common Power Supply Specifications

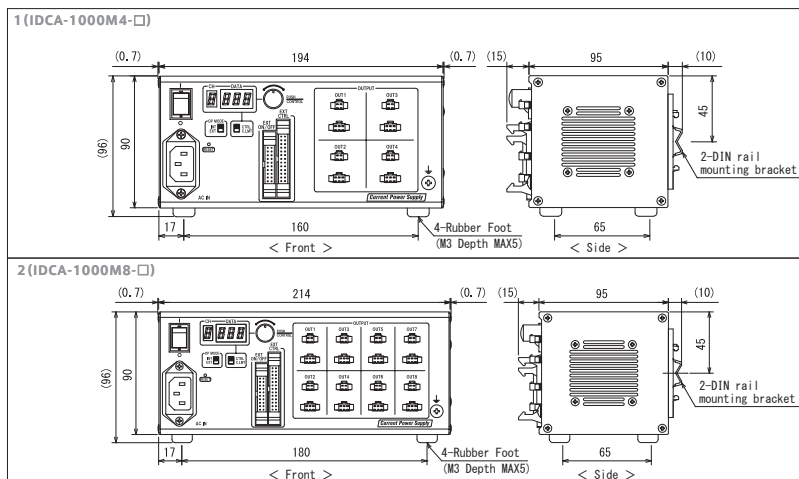
Output Control Method	Variable Output Current System
Input Voltage	AC100~240V
Output Voltage	MAX DC12V
Output Current	0mA to maximum output current
Maximum Output Current	100~1000mA (each channel can be changed in 10mA increments)
External ON/OFF Control	Independent for each channel
Protection Function	Output open, short detection, overcurrent, no load, fan error

When extension cable selecting, please check the instruction manual  
\*For details on external controls, see page 104 to 105.

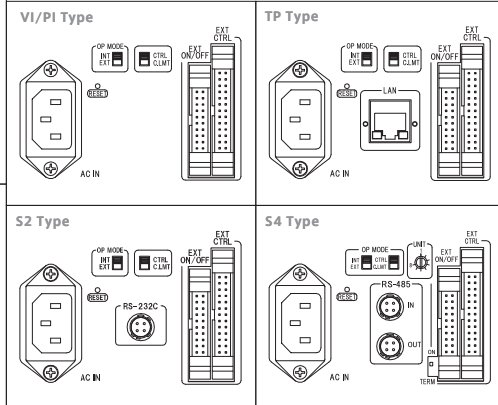
## IHV, IHVE and IBF series can be connected simultaneously by configuring the maximum output current

Model	Channel numbers	External Control	Drawing
IDCA-1000M4-VI	4CH	Analog 0-5 V	1
IDCA-1000M4-PI		8-bit parallel	
IDCA-1000M4-S2		RS-232C communication	
IDCA-1000M4-S4		RS-485 communication	
IDCA-1000M4-TP	LAN communication		
IDCA-1000M8-VI	8CH	Analog 0-5 V	2
IDCA-1000M8-PI		8-bit parallel	
IDCA-1000M8-S2		RS-232C communication	
IDCA-1000M8-S4		RS-485 communication	
IDCA-1000M8-TP		LAN communication	

As the maximum output current can be set independently for each channel in the range of 100 to 1,000mA, it is possible to simultaneously run the IHV series at 350mA and the IHVE, IBF series at 700mA. The output control range can be varied in 256 levels from 0 mA to the set maximum output current.



## Control Panel Layout



\*□ represents the symbol for the type of external control.  
VI: Analog 0-5 V, PI: 8-bit parallel, S2: RS-232C communication, S4: RS-485 communication, TP: LAN communication.

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