

# Power supply controller

CO-MS

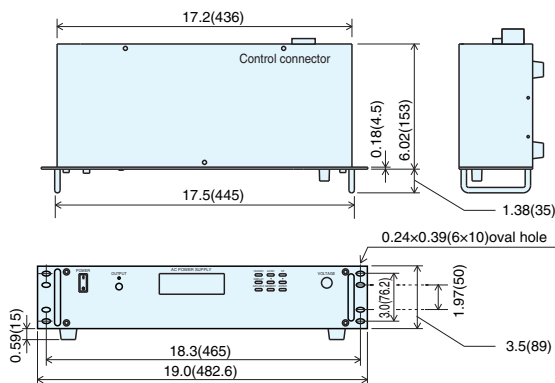
1125-01A



## SPECIFICATIONS

<b>Input voltage</b>	100 to 240 VAC $\pm 10\%$ 47 to 63 Hz Single phase
<b>Output control</b>	Output voltage: rotary encoder on front panel (with preset function) Output current: rotary encoder on front panel (with preset function)*4
<b>Output display</b>	Output voltage: 4-digit meter (accuracy 1 % FS $\pm 1$ dig) Output current: 4-digit meter (accuracy 1 % FS $\pm 1$ dig) *4
<b>Over voltage protection (OVP)</b>	Cut off at the set value*5. Setting range: 5 to 110 % of output voltage Set with rotary encoder on front panel
<b>Other functions</b>	Output ON/OFF UV setting*6: set with rotary encoder on front panel UC setting*7: set with rotary encoder on front panel Memory function (10 memories) Front panel operation locking function
<b>Operation temperature</b>	0 to + 50°C
<b>Storage temperature</b>	- 40 to + 85°C
<b>Storage humidity</b>	20 to 80 % RH (without any condensation)
<b>Accessories</b>	2.5-m input AC cable for Single phase 3-core type(125 V/10 A)(1) Instruction manual (1)

## DIMENSIONS inch (mm)



## FEATURES

- Controls power supplies up to and including 32 in parallel.
- Noise free optical communication between the unit and the power supply
- Clear LED indication
- Sophisticated design for simple operation
- Total output current can be read.

## SUMMARY

This product is a control unit to perform Master-slave control\*1 of Matsusada power supplies equipped with -LGlob option\*2. Under the control of this unit, power supplies up to 32 can be operated in parallel. The total current value of each power supply can also be read. Control of the power supplies\*3 is enabled with the switch and dial on the front panel. Optical communication is adopted between this unit and the power supplies to suppress extraneous noise and effect of ground loop. Besides, GPIB/RS-232C/RS-485/USB control from PC is available as an option.

## OPTIONS

- L**Gb** GPIB interface board
- L**Gob** Optical interface board  
Insulation control with optical communication.  
See catalog of digital control for optical conversion of each interface.(GPIB/RS-232C/RS-485/USB)
- L**Us1** USB interface board
- L**A1** Analog remote control
  - Remote switch ON/OFF  
Output ON/OFF with external relay or TTL
  - Control of output voltage/current  
External control voltage 0 to 10 Vdc / maximum output  
Or external variable resistor 0 to 10 k $\Omega$  / maximum output
  - Voltage/Current monitor 0 to 10 Vdc / maximum output

**To order** Add above L mark to the model number when ordering.  
<Example> CO-MS-LA1Gb  
\* Either -L**Gb**, -L**Gob** or -L**Us1** can be selected.

Note) Power supplies of the same model only can be connected.

\*1 Compatible with Ver.6.2.0 or later

\*2 There is no such a function as divides the output value of power supplies evenly.

\*3 When Master-slave control is working, the load variation of the output voltage of power supplies will be around 0.5 % max.

\*4 It is the total current of the power supplies connected.

\*5 Only when used with power supply with OVP function.

\*6 Status output for under voltage situation with output short circuit. Only when used with power supply with UV function.

\*7 Status output for under current situation when cable breakage. Only when used with power supply with UC function.