

MG-Wave Series Controller

MLEK-A120 Series

Features

- Output current max. 1.2A.
Applicable to most MG-Wave illumination
- External control type: Analog, Digital
- Multi voltage input (AC100-240V) supported
- CE marking conformity



Specifications

Model name	MLEK-A120 W1LR	MLEK-A120 W1LRD	MLEK-A120 W2LR	MLEK-A120 W2LRD
AC type	100V, 200V			
Output	1channel max. 1.2A		2 channel output, max. 1.2A for each channel / total max. 1.2A	
Input Voltage	AC100 - 240V 50/60Hz			
Input Current	0.35/0.20A (at AC100/240V)			
Rushing Current	max. 15/36A (at AC100/240V)			
Operating Temperature	0 ~ +45°C			
Operating Humidity	Maximum 80%RH for temperatures up to 31°C decreasing linearly to 50%RH at 40°C			
Output Control	Constant current control			
Output Characteristics	Continuous DC output			
Remote Control	0-5V analog control	8bit digital control	0-5V analog control	8bit digital control
ON/OFF control	Yes			
Output Error signal	No			
Cooling Method	Air-cooling			
Installation Method	Horizontal installation on rubber feet.			
Mass	Approximately 1kg		Approximately 1.3kg	
Dimensions	W75 x H90 x D150 (Protuberances excluded)		W75 x H110 x D190 (Protuberances excluded)	
International Protection Degree	IP30 (EN60529)			
CE Marking	Low Voltage Directive : 2014/35/EU EMC Directive : 2014/30/EU RoHS Directive : 2011/65/EU, 2015/863			

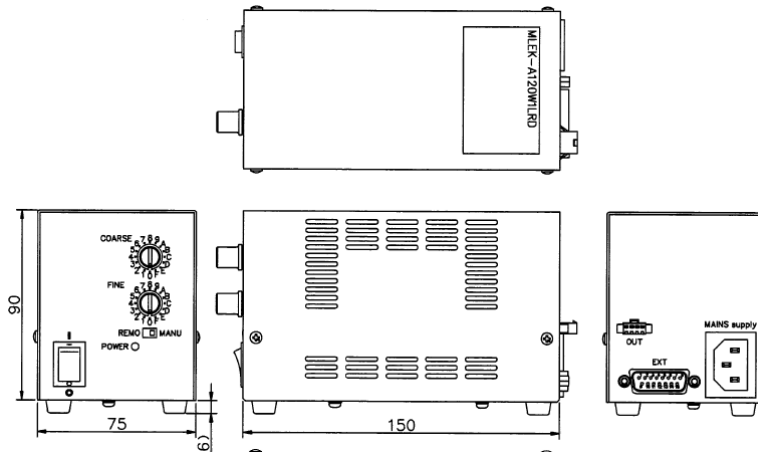
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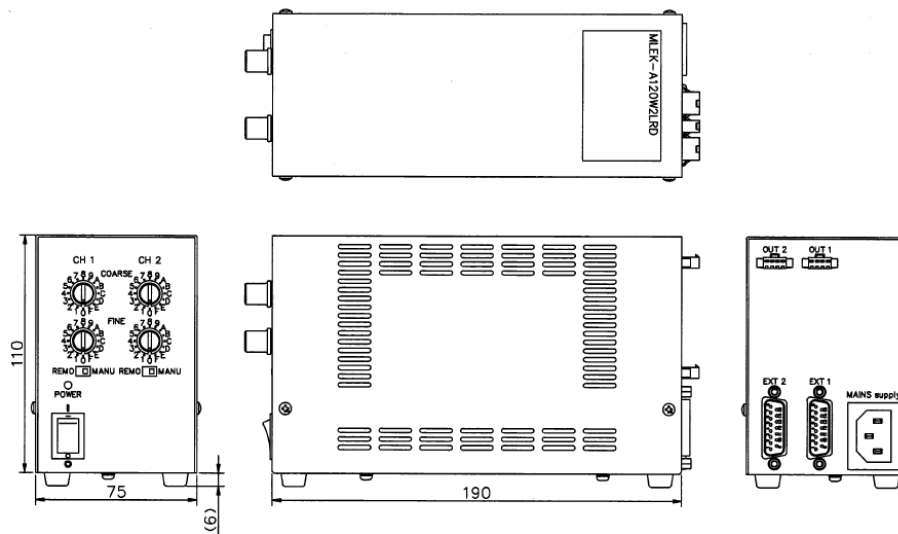
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External View - MLEK-A120W1LR(D)



External View - MLEK-A120W2LR(D)



Pin assignment

Input

External signal : Analog

- 1 : Input ON/OFF signal (+)
- 2 : Input ON/OFF signal (-)
- 3 - 8 : NC
- 9 : EXT_VR (Volume control signal)
- 10 : EXT_0-5V(Analog control signal)
- 11 : EXT_GND
- 12 : EXT_0-5V / EXT_VR Selection input
- 13 : DC2.5V Reference Voltage output
- 14 - 15 : NC

External signal : Digital

- 1 : 8bit digital input 2^0 (LSB)
- 2 : 8bit digital input 2^1
- 3 : 8bit digital input 2^2
- 4 : 8bit digital input 2^3
- 5 : 8bit digital input 2^4
- 6 : 8bit digital input 2^5
- 7 : 8bit digital input 2^6
- 8 : 8bit digital input 2^7 (MSB)
- 9 : COMMON (+)
- 10 : ON/OFF signal input
- 11 - 15 : NC

Output

Illumination

- 1 : Output Current (+)
- 2 : Sensor (+)
- 3 : Sensor (-)
- 4 : Output Current (-)

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