

HIGH BRIGHT TECHNOLOGY provides series of power controller not only PC-series constant current controller but also PV-series DC 12V and 24V constant voltage controller. All controller support manual dim, external RS232 or 0~5V voltage input intensity control. Fully function and multi-channel (from 1 to 8 channels) to enhance your vision system.

Specification

Electrical		Connector	
Power Input	AC 100-240 V ,50/60 Hz , 2A (max)	Light Output	PC-series: SMP-03V, 3 pin (F) PV-series: SMP-02V, 2 pin (F)
Output System	PC-series: Constant current with DC linear output. PV-series: Constant voltage with DC linear output.	RS232 Control	D sub, 9 pin (M)
Output Current	800 mA / Channel (max.)	Voltage Control	D sub, 9 pin (M)
Intensity & output On/Off control		On/Off Control	Terminal block, 2 pin (M)
		System Protection	
Control channel	1, 2, 4, 6, 8 Channel (*By model)	Over Current	> 107% (max.) rated current.
Manual Control	VR stepless control	Over Voltage	> 150% (max.) rated voltage.
External intensity control	Type 1 : RS-232 interface (*Model name with "-R")	Environmental	
	Type 2 : 0~5 V Voltage input (*Model name with "-V")	Operation	Temp. -20~60 ℃ , Humidity 20~85% (No condensing)
External Output On/Off control	On/Off frequency 10 KHz (*Model name with "-S")	Storage	Temp. -20~60 ℃ , Humidity 20~85% (No condensing)

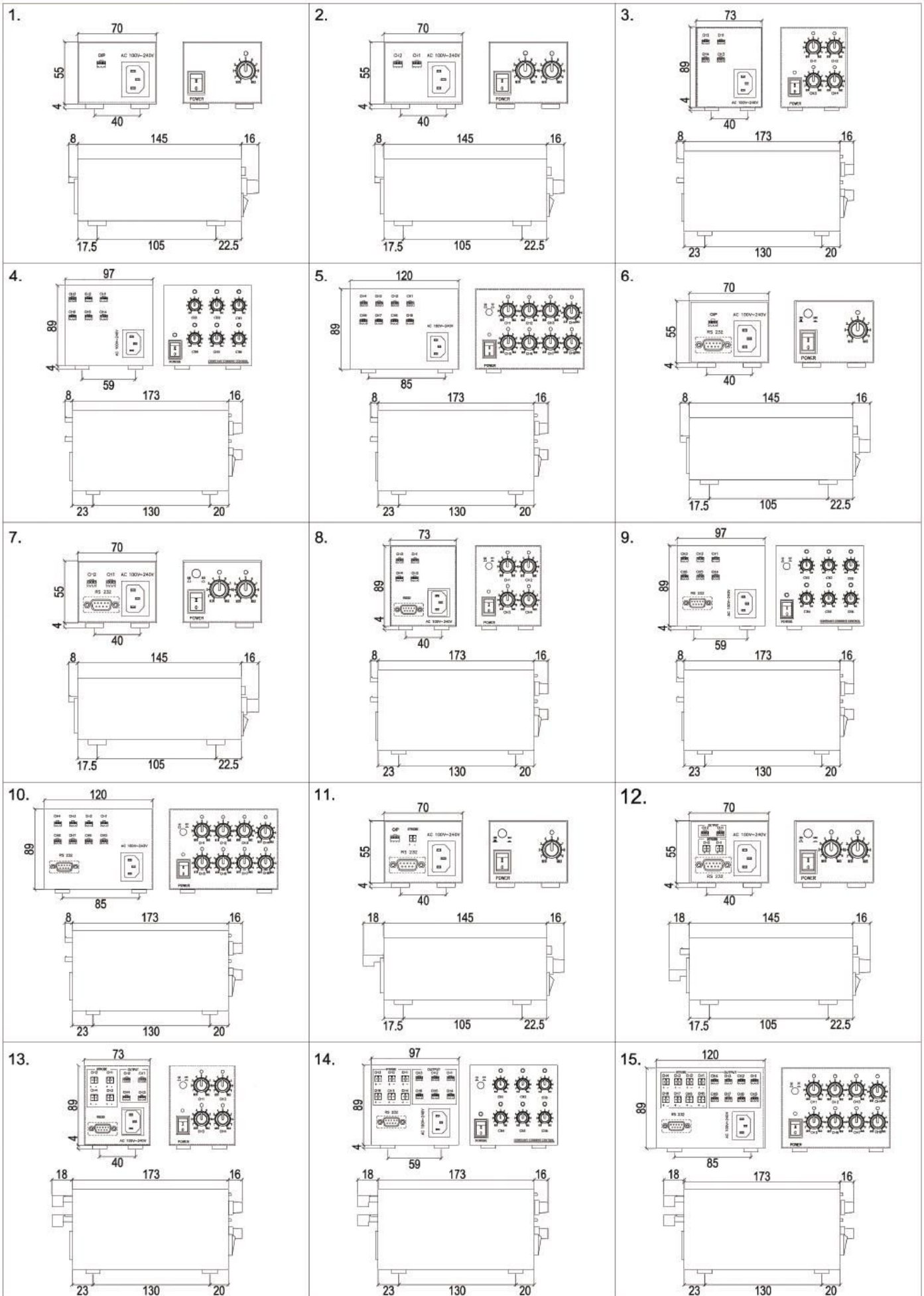
※Specifications and forms are subject to change without notice

Available Model

Constant Current Controller Product List

Features and Description	Model	Channel	Dimension
<ul style="list-style-type: none"> Constant current linear output. VR stepless control. Auto detect current required for LED light. Compared with [HB] regular light list below. 	PC-24V24W-1	1	1
	PC-6V12W-1	2	2
<ul style="list-style-type: none"> 1.CR/PR/CRLD/CQLD series ring light. 2.BL series bar array light. 3.UBL/SBL series back light. 4.CHL series coaxial light. 5.DML/DML2 series dome light. 6.LL/CLL/DLL series linear light. 	PC-24V60W-4	4	3
	PC-6V30W-4	6	4
<ul style="list-style-type: none"> Provide both 6V and 24V in one unit to support [HB] regular LED and HLL/HLL1 series dot light. 	PC-24V60W-6	6	4
	PC-6V30W-6	8	5
<ul style="list-style-type: none"> External intensity control - Type 1 with PC-RS232 interface, model name comes with "-R" after channel number. External intensity control - Type 2 by DC 0~5V voltage input, model name comes with "-V" after channel number. 0~255 steps external intensity control. 	PC-24V60W-8	8	5
	PC-6V30W-8	1/2/4/6/8	1/2/4/6/8
<ul style="list-style-type: none"> Provide both 6V and 24V in one unit to support [HB] regular LED and HLL/HLL1 series dot light. 	PC-BV-1/2/4/6/8	1/2/4/6/8	1/2/4/6/8
	<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V24W-1-R/-V	1
PC-6V12W-1-R/-V		2	7
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V24W-2-R/-V	2	7
	PC-6V12W-2-R/-V	4	8
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V60W-4-R/-V	4	8
	PC-6V30W-4-R/-V	6	9
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V60W-6-R/-V	6	9
	PC-6V30W-6-R/-V	8	10
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V60W-1-R/-V	8	10
	PC-6V30W-1-R/-V	1	11
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V24W-1-S/-O	1	11
	PC-6V12W-1-S/-O	2	12
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V24W-2-S/-O	2	12
	PC-6V12W-2-S/-O	4	13
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V60W-4-S/-O	4	13
	PC-6V30W-4-S/-O	6	14
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V60W-6-S/-O	6	14
	PC-6V30W-6-S/-O	8	15
<ul style="list-style-type: none"> External power output On/Off or higher voltage strobe control function. Up to 10 KHz frequency by voltage input (N type). Up to 10 KHz frequency by switch open / short. (P type). -O: external light On/Off control function. -S: higher voltage output strobe control function. 	PC-24V60W-1-S/-O	8	15
	PC-6V30W-1-S/-O	1	11
<ul style="list-style-type: none"> Combined both external intensity and light on/off control function in one unit. 	PC-24V24W-1-SR/-SV	1	11
	PC-6V12W-1-SR/-SV	2	12
<ul style="list-style-type: none"> Combined both external intensity and light on/off control function in one unit. 	PC-24V24W-2-SR/-SV	2	12
	PC-6V12W-2-SR/-SV	4	13
<ul style="list-style-type: none"> Combined both external intensity and light on/off control function in one unit. 	PC-24V60W-4-SR/-SV	4	13
	PC-6V30W-4-SR/-SV	6	14
<ul style="list-style-type: none"> Combined both external intensity and light on/off control function in one unit. 	PC-24V60W-6-SR/-SV	6	14
	PC-6V30W-6-SR/-SV	8	15
<ul style="list-style-type: none"> Combined both external intensity and light on/off control function in one unit. 	PC-24V60W-1-SR/-SV	8	15
	PC-6V30W-1-SR/-SV		

Dimension Diagrams



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