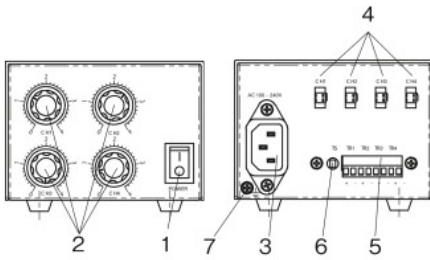


Lighting Controller for Standard Light FLV-ATC21024/-ATC41024

Part Names and Functions



No.	Name	Description
1	Main power supply	Starts up the Controller when it is turned ON.
2	Lighting adjustment volume	Rotating the volume clockwise increases the emission intensity or counterclockwise decreases it.
3	AC power supply input connector	A terminal to supply AC power. Connect the provided AC input cable.
4	Lighting connector	Connects an LED light.
5	Trigger input terminal block	A terminal block for lighting illumination trigger input from outside to each lighting.
6	Lighting mode switching button	Lighting mode switch button is ON (The button is pushed.): Short-circuiting (+) and (-) of TR1 to TR4 respectively makes the trigger input status ON, turning the light ON. Releasing (+) and (-) makes the status OFF, turning the light OFF. Lighting mode switch button is OFF (The button is not pushed.): Short-circuit (+) and (-) of TR1 to TR4 respectively makes the trigger input status OFF, turning the light OFF. Releasing (+) and (-) makes the status ON, turning the light ON.
7	Frame ground terminal	A terminal for frame ground. Connect the ground line.

Specifications

Item	Model	FLV-ATC21024-□ *1	FLV-ATC41024-□ *1
Number of channels		2	4
Applicable light		FLV series (FLV-EP series and FLV-LN series are excluded.)	
Power supply voltage *2		100 to 240 VAC, 50/60 Hz	
Current consumption		1 A max.	
Power of connected light		2ch total 40 W max. 30 W max. for 1ch	4ch total 40 W max. 30 W max. for 1ch
Drive method		Constant voltage method	
Lighting method		Trigger lighting, Continuous lighting	
Luminance control method		Voltage light adjustment: 14.0 to 24.0 V	
Trigger lighting		Lighting in synchronization with input from the trigger input terminal	
Trigger lighting delay time		T _{on} : 100 μs max.	
External interface		Trigger input terminal block	
Dielectric strength		1500 VAC 50/60 Hz 1 min	
Insulation resistance		20 MΩ (500 VDC)	
Ambient temperature		Operating: 0 to 50°C, Storage: -15 to 60°C (with no icing or condensation)	
Ambient humidity		Operating/storage: 35% to 85% (with no condensation)	
Degree of protection		IP20 (IEC60529)	
Vibration resistance (destructive)		10 to 150 Hz, (0.2 mm double amplitude) 80 min each in X, Y, and Z directions	
Shock resistance (destructive)		150 m/s ² 3 times each in 6 directions (up/down, left/right, forward/backward)	
Materials		Case: Aluminum	
Weight		Approx. 800 g	
Accessories		Instruction sheet, AC input cable *1	
Applicable standards		EN61326-1 *3	

*1. The suffixed symbol of the model name means the plug type of the accessory cable. A model name with no suffix means type A.

*2. This product is the exclusive use for apparatus inclusion in the industrial machine field.

This product cannot be used for the connection to electric power equipment, such as a common residence, store, and small establishment, because of nonconformity with to Electrical Appliance and Material Safety Law (PSE).

*3. Electromagnetic environment: Industrial electromagnetic environment (EN/IEC 61326-1 Table 2)

Also, the following condition is applied to the immunity test of this product.

There are case that Lighting brightness fluctuate Max 10%.