



## CZ-K1P

Amplifier Unit, Main Unit, PNP

CE

ⓘ This model has been discontinued.  
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Fiber type Cable type - LR-WF10](#)

## Specifications

Model	CZ-K1P	
Output	PNP	
Light source	Red LED, Green LED, Blue LED	
Response time	300 μs/1 ms (switch-selectable)	
Indicator lamp	Output: Red LED, Calibration: Orange LED, External synchronization input: Green LED, Matching rate/received light intensity: LCD (Red/Green)	
Error indication	Excess light intensity, insufficient light intensity, insufficient color difference	
Calibration method	1-point/2-point calibration (switch-selectable)	
Tolerance value adjustment	Numerical value setting on digital display	
Differentiation mode	C mode/C + I mode/I mode (switch-selectable)	
Timer function	OFF-delay timer (40 ms)/Timer OFF (switch-selectable)	
Output selection	Match output: Turns on when target color matches registered color. Mismatch output: Turns on when target color is different from registered color. (switch-selectable)	
External synchronization input	Response speed: 500 μs max.	
External calibration input	Input response time: 20 ms min.	
Registered color selection	8-bank selection (By external input), Non-voltage input, Input response time: 20 ms min.	
Control output	PNP: 40 VDC max. (100 mA max.), Residual voltage: 1.0 V max.	
Protection circuit	Reverse-polarity protection (power supply), overcurrent protection (output), surge absorber (output)	
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption	75 mA or less
Environmental resistance	Ambient light	Incandescent lamp: 5,000 lux max., Sunlight: 10,000 lux max.
	Ambient temperature	-10 to +55 °C <b>14 to 131 °F</b> (No freezing)*1
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm <b>0.06"</b> , 2 hours in each of the X, Y, and Z directions
	Shock resistance	500 m/s <sup>2</sup> , 3 times in each of the X, Y, and Z directions
Case material	Polycarbonate	
Weight	Approx. 115 g (including 2-m <b>6.6'</b> cable)	

\*1 When several units are connected, the ambient temperature requirement varies depending on the total number of units connected.

When 3 to 10 units: -10 to +50 °C 14 to 122 °F

When 11 to 16 units: -10 to +45 °C 14 to 113 °F

When connecting several units, be sure to mount the units to a metallic DIN rail. Make sure that the output current does not exceed 20 mA.

## Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

cz-v1\_dimension\_01.gif

