

IR SENSOR DATASHEET

SIM-IR

DESCRIPTION

This product is an IR sensor with input AC control mode. The input is AC voltage and its output is connected to LED driver supply. It's often used in the control of the mirror lighting.



Input

Items	Conditions	Request	Note
Input voltage	Ta	100-240Vac	--
Input frequency		50Hz/60Hz	--
Standby	25°C, rated input voltage, disconnect relay	<0.5W	average

Output

Items	Conditions	Request	Note
Rated output voltage	25°C, rated input voltage	100-240Vac 50/60HZ	--
LED driver rated load	25°C, rated input voltage	100VA (AC 100V) 240VA (AC 240V)	--
Rated output current	25°C, rated input voltage	1A	MAX

Temperate and others

Items	Conditions	Request	Note
Operation temp.	--	-20-50°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	70°C	--
Lifetime	Max.Ta, rated input voltage, output with max. rated power	>100,000 times	Relay operated

Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Insulation type	Class II
IP grade	IP20
Input cables method	Terminal
Output cables method	Terminal
Sensor cables length	2M(Default)

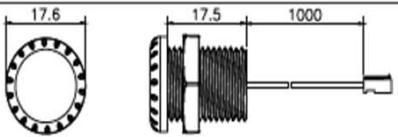
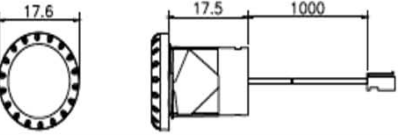
Standard

Items	Conditions	
Safety	UL8750	IEC61347-1、 IEC61347-2-13
Harmonic	--	--
EMI	FCC PART15 CLASSB	EN55015
EMS	--	EN61547

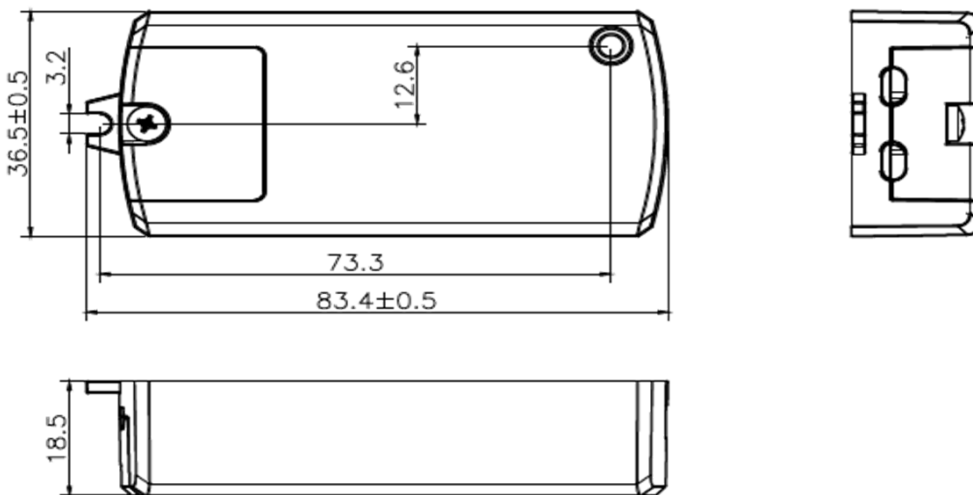
Function

Items	Conditions	
IR control	Suitable for mirror lighting	1.Move hand over the detector the first time, relay closed, LED power supply load connected to AC voltage 2.Move hand over the detector the second time, relay opened, LED power supply load disconnected to AC voltage 3.Wave hand to achieve the purpose of cyclic switching
Detection range	Max:5-10cm	

● Sensor(Options)

Sensor	Dimension(mm)	Hole opening diameter(D)	Board thickness(L)	Attentions	Options
S101		Ø13mm	> 1mm	—	Standard
S102		Ø13mm	< 10mm	—	Optional

● Dimensions(mm)



● Wiring Diagram

