

Intelligent CV Series



HJD100-12VFM HJD100-24VFM

Product Description

- Constant voltage LED Driver
- High efficiency, Up to 92%
- The output voltage could be PWM dimmed by IR/PIR sensor and remote controller
- Fast startup < 0.5s
- Ultra-thin design, the height is 17.5mm
- Full protection functions with automatic recovery feature
- Protection class II, SELV output

Safety & EMC Standard

- EN 55015
- EN 60598-1
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 62384



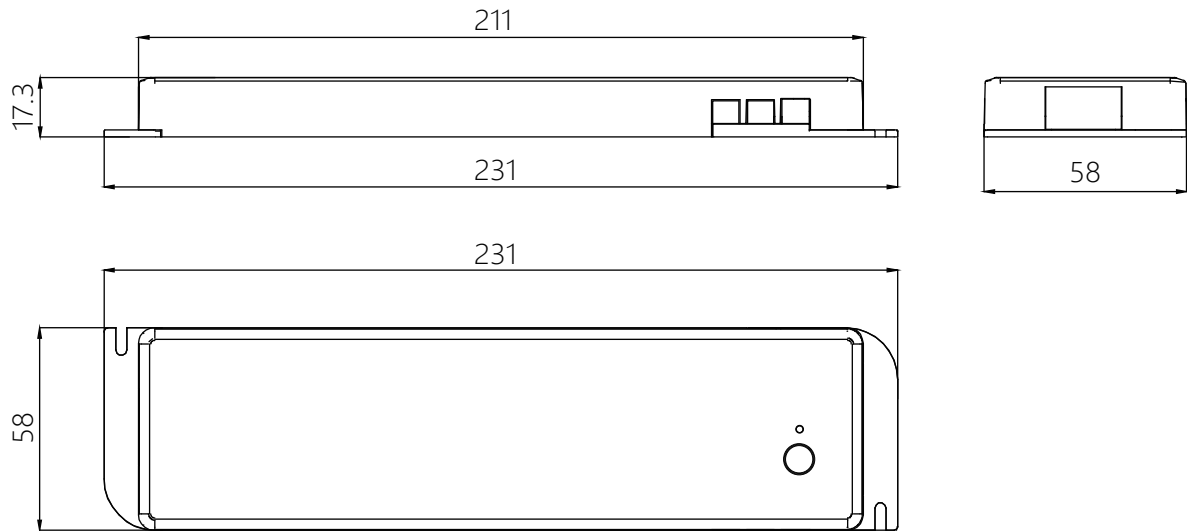
Application

- Cabinet and strip lighting

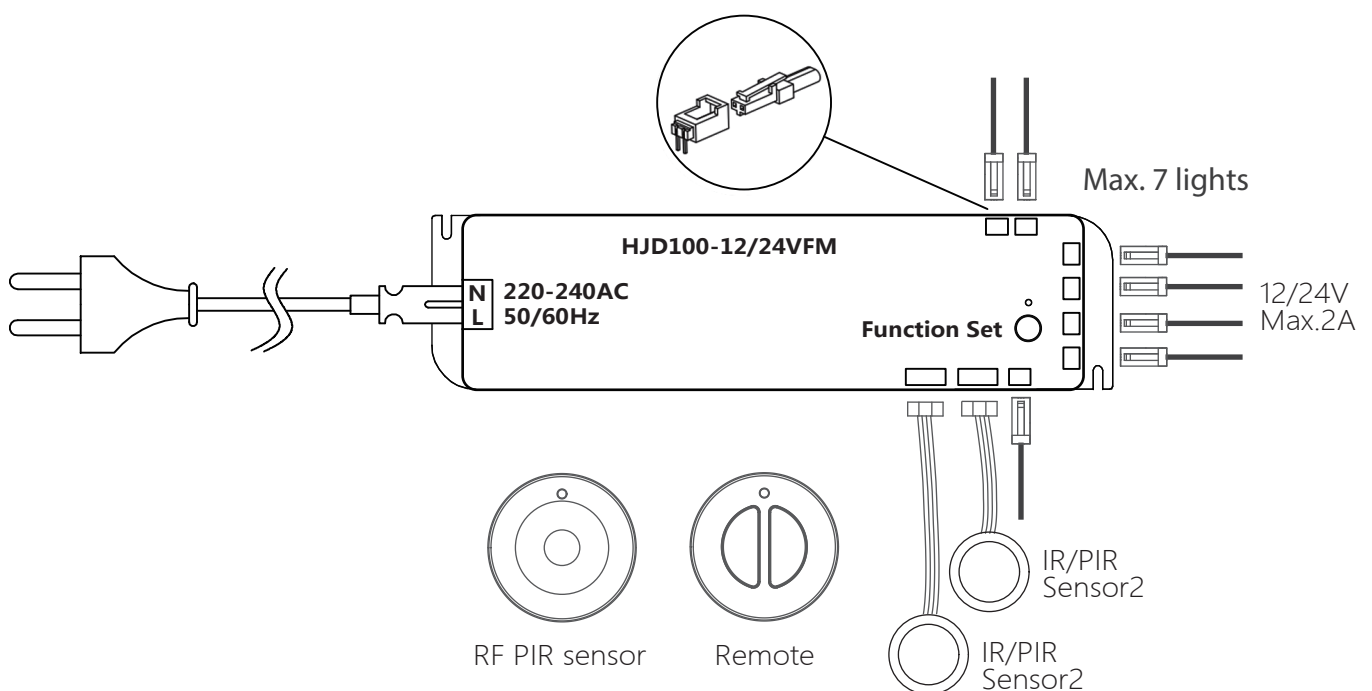
Technical data

Model		HJD100-12VFM	HJD100-24VFM
Input	Rated supply voltage(Vac)	220-240	220-240
	Voltage range(Vac)	198-264	198-264
	Line frequency(Hz)	50/60	50/60
	Input current(mA)	550	550
	Efficiency with full load	91%	92%
	Power factor(at 230V,50Hz,full load)	>0.95	>0.95
	Total harmonic distortion (at 230V,50Hz,full load)	<20%	<20%
	No load power consumption(W)	<0.5	<0.5
	Inrush current(peak/duration)	25A 2mS	25A 2mS
Output	Turn on time(S)	<0.5	<0.5
	Output power(W)	100	100
	Output voltage(V)	12	24
	Output voltage tolerance	±5%	±5%
	Ripple voltage(mV)	550	384
	Output current range(A)	0-8.33	0-4.16
	Max. output voltage(V)	15	26
	Isolation output to input	SELV	SELV
	Dimming interface	N/A	N/A
	Dimming range	N/A	N/A
Protection	Over load protection	none	none
	Over temperature protection	Y	Y
	Short circuit protection	Y	Y
	Open circuit protection	Y	Y
	Automatic restart after restore	Y	Y
Ambient and life	Ambient temperature in normal working Ta(°C)	-20...+45	-20...+45
	Max. casing temperature Tc(°C)	90	90
	Nominal life-time(hrs)	50'000@TC=80°C	50'000@TC=80°C
	Failure rate	0.1%/1000h	0.1%/1000h
	Guarantee(Years)	5	5
	Storage Temperature(°C)	-30...+80°C	
	Ambient humidity range	5%...85%RH , Not condensing	
Others	Weight(gram)	240	
	Housing material	PC	
	Housing colour	White	
	Waterproof rating	IP20	


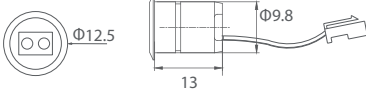

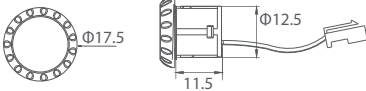

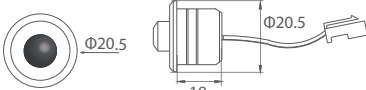

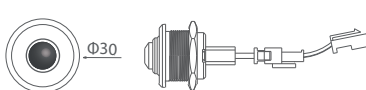

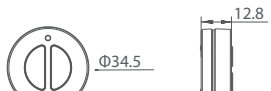


Dimension(mm)



Wiring diagram



Optional Accessories Table

ILLUSTRATION	DIMENSIONS(MM)	Hole Opening Diameter	Detection Range/Angel	Remark
 Mini_IR Sensor		Φ10	5-10CM	In the applicaiton of door switch, when the door remains open, the switch will turn off light automatically after 20mins.Open/close the door again to restore settings.
 IR Sensor		Φ14	5-10CM	
 Mini_PIR Sensor		Φ17	1-3M Max.100Deg	Delay time can be set from 10 sec to 3min.
 PIR Sensor		Φ25	1-3M Max.120Deg	
 Remote control		—	—	
 RF PIR sensor		—	1-3M Max.100Deg	

Sales & Technical support

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