

The SOLAS smart driver is a highly versatile device engineered to enhance LED systems via programmable wireless control. Featuring a 6-way asynchronous monochrome control box, the unit allows for the individual programming of channels to significantly increase system customisability.



Electromagnetic certification

Item	Country	Certified status	Standards
CE	European Union	Accord	EN62368 - 1:2014

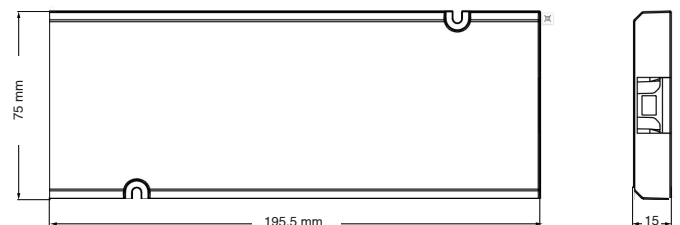
Environmental conditions

Storage temperature range: -30° C ~ +70° C

Storage humidity: 10 ~ 90%

Description

Usage: Wireless sensors
860/861/862/863 required

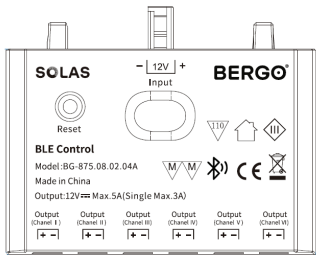


Input

Voltage:	220-240 V _{AC}
Frequency:	50/60 Hz
Current:	420 mA max.
PF:	≥ 0.9

Output

Parameter	Unit	Min	Average	Max	Remarks
Voltage	V _{oc}	11.4	12	12.6	
Current	A	0		5	
Ripple and noise	mVp-p			240	20 MHz Bandwidth 47uF Ele. Cap and 0.1uF Cer. Cap.

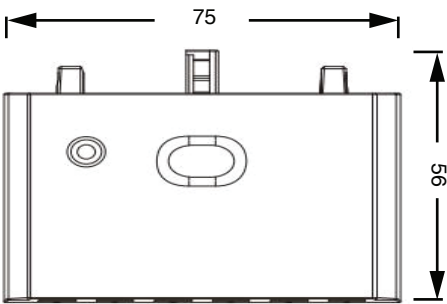


Wireless features

Frequency:	ISM 2402-2482 MHz
Crystal frequency:	24 MHz
Modulation:	GFSK
Transmit power:	0 dbm
TIS:	-70 dbm
Emission:	16 mA (0 dbm)

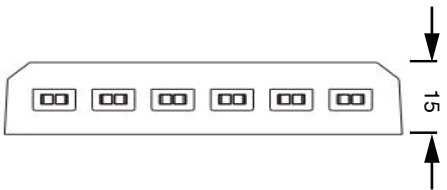
Description

Input voltage:	12/24 V _{DC}
Input/Output variation range:	1.4-12.6V _{DC} /22.8-25.2V _{DC}
Input current:	5 A
PWM frequency:	16 KHz
Minimum brightness:	5% Duty
Soft on/off:	2s +/- 20%
Dimming:	5s +/- 20%



Environmental conditions

Operating temperature range:	-10° C ~ +45° C
Storage temperature range:	-20° C ~ +70° C
Operating humidity:	5 ~ 95%



Item ID No.

Item	Finish/Colour	Size (WxDxH) mm	Cat. No.
Smart Driver	Black	196 x 75 x 15 mm	BG-875.08.02.04A
Asynchronous Control Box		56 x 75 x 15 mm	