

INGENIUM® ZB Dimming Module



Key Features & Benefits

- Connects with INGENIUM® ZB or other major Zigbee compatible systems to enjoy advanced lighting control features.
- Voice controlled: Works with Amazon Alexa and Google Assistant when combined with INGENIUM® ZB gateway (sold separately). It can also be connected directly to the Amazon Echo Plus/ Echo Show/ Echo Studio.
- Output power: maximum 150VA LED load or 300W resistive load.
- Dimming mode: Trailing edge#
- Plug and Play: Easy to install and easy to use. INGENIUM® ZB Dimming Module has a compact dimensional profile and it is compatible with standard switch boxes.

The INGENIUM® ZB Dimming Module is a two-wire phase cut controller# for use with multiple LED dimmable lamps and fixtures. It can easily be installed to replace your wall dimmer and control your home lighting with smartphone/tablet, or through voice commands with Amazon Alexa and Google Assistant. Simply use with a ZigBee compatible hub such as the INGENIUM® ZB, Philips Hue, Samsung SmartThings or Amazon Echo devices (Echo Plus/ Echo Show/ Echo Studio)

Not compatible with inductive loads.

Applications

- Residential
- Small business


Compatibility



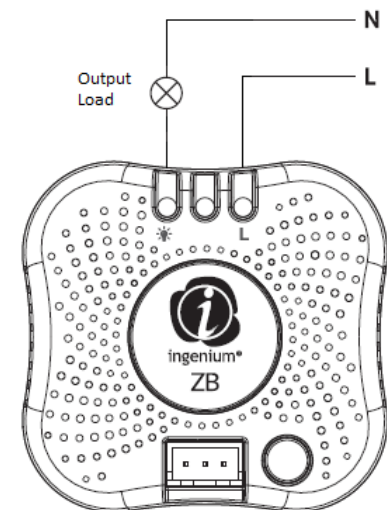
GENERAL INFORMATION

Input Voltage / Frequency	220-240 VAC 50Hz
Max. Output Power	150VA (LED load) 300W (Resistive load)
Standby Power	< 0.5W
Dimmable	Yes
Dimming Mode	Phase Cut - Trailing edge#
Protocol	Zigbee
Frequency Band	2400 – 2483.5MHz
Starting Time [sec]	< 0.5
Operating temperature	0°C—40°C
Operating humidity	≤ 95%RH
Housing Material	PC 940 (V-0)
Approvals	2014/53/EU, 2014/30/EU, 2014/35/EU, 2012/19/EU, 2011/65/EU, EN 300328, EN 300440, EN 301489, Zigbee Light Link

PRODUCT WIRING CONNECTION

Wire	Usage
 – Red wire	Output load live wire
L – Brown wire	Mains input live wire
LED indicator	Green colour LED indicator
Push button	To perform device pairing reset
Option connector	For future expansion options

*Output load neutral connects to mains input neutral.



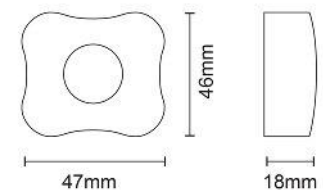
↑ Option Connector ↑
LED indicator Push button

PRODUCT INFORMATION

Model No.	MM Code
ZBM02d	406304/ MM08175

DIMENSIONS & WEIGHT

Model No.	L	W	H	Weight
	mm	mm	mm	g
ZBM02d	47	46	18	34



LOGISTIC INFORMATION

Model No.	Packaging Unit	Outer Box Dimensions			Gross Weight per Outer Box
		L mm	W mm	H mm	
ZBM02d	pcs/unit 60	427	322	215	kg 5.7