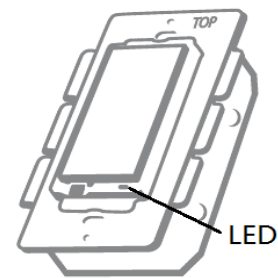




Model # WS100



Description: Z-Wave In-Wall On/OFF Switch

Key Features

- Works with incandescent lamps, florescent, and LED lighting
- Fits standard wall plate, user replaceable keypad to match colors
- Clean design with LED status indicator
- GROUP/SCENE/ALL enabled
- Over-The-Air firmware upgrade supported with Z-Wave® static controller, PC and software
- Supports Network Wide Inclusion
- Powered by Sigma Design 500 Series module inside
- Internal resettable fuse to protect from surge current
- Functions as a Z-Wave signal repeater

Parameter	Symbol	Conditions	Min	Nom	Max	Unit
General						
Operating Temperature	To	Normal Operating conditions	0		40	°C
Storage Temperature	Ts		-20		60	°C
Storage Humidity	RHs				80	%
Electrical Ratings						
Input Voltage	Vin	120 VAC RMS	108	120	132	Volts
Input Frequency	F		57	60	62	Hz
Maximum Output Load : 900W incandescent, 200W CFL/LED, ½ horsepower motor, and 15A, 1800W resistive load						
Fuse		Fuse on Line to Dimmer (SLO-BLO)	5			Amps
Dimmer conduction angle		at max fully on position	80	90		%
Z-Wave Frequency for USA		908.42 MHz at 9.6 kps	-0.025	908.42	+0.025	Mhz
Wireless Range (controller & repeater)		at open air, 1 meters high, LOS		100		ft
Modulation		FSK				
Tx Power from IC setting				-1		dbm
Rx Sensitivity		At 9.6kps		-102		dbm
		At 40kps		-98		dbm
Standby current	Imax				25	mA
Mechanical Parameters						
Dimensions		Body: 2.8"x1.71"x1.41" Yoke: 4.13"x2.13"x.076"				Inches
Wire Terminals		Line, Load, Traveler, Neutral				
Minimum Hole for Wire		Accept #12 AWG(0.081" dia) Don't Accept #8 AWG(0.1285"dia)	0.11	0.115	0.12	
Wire Type		Copper Only				
Clamp parts		Copper or plated aluminum				
Wire Binding Screws		UL 486a/b: Minimum Dia=#6(.138) Max Threads/inch = 36				
Primary Color		Munsell N9 Apple White				
Body Material		GE Pplastic, lexan Resin 940				

Safety and Regulatory Approvals

Agency	Listing and Certifications				
FCC and Industry Canada	X				
UL Listed, US Canada	X				
Z-Wave Plus Certified	X				

Special Feature: Traveler connection is protected against improper hookup to line, load, ground, neutral.

Supplied Parts

Required Fixtures		Conditions				
Mounting Screws	Qty=2					
Instruction manual	Qty=1					

