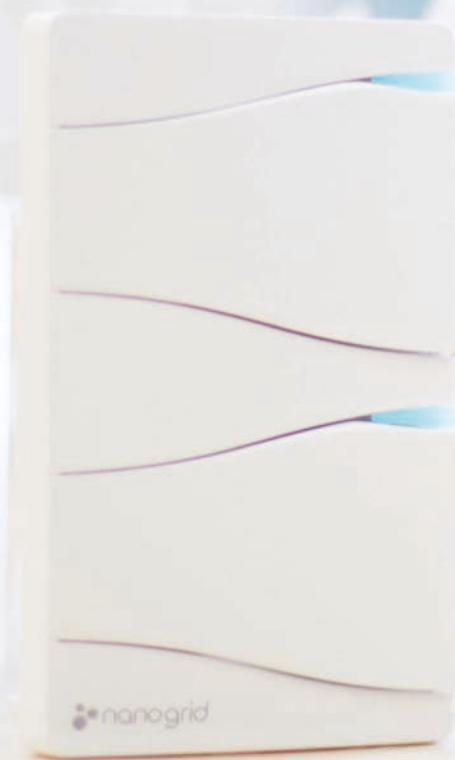# WIRELESS LIGHT SWITCH
FDN1000 & FDN2000 SERIES

Z·WAVE ®

With nanogrid™ FDN2000 series light switches, you can create custom, ambient lighting throughout any home or building while conserving energy and cutting costs.

The nanogrid™ FDN2000 series offers a range of outstanding, intuitive features to help users to make their homes more energy efficient with the added benefits of cost control and convenience. Full access is always provided, whether at home or away, via the web or user's smartphone.

Convenient and Comfortable
award-winning design

GOOD DESIGN

reddot design award
winner 2011

* Image depicts FDN2200

GENERAL SPECIFICATION

Power source	110 ~ 240 VAC 50~60Hz
Features	10 steps increments(FDN1000 only), On/Off, Temperature Monitoring, Real-time energy consumption monitoring
Installation Type	Wall mounting
Device Type	Routing slave for all Z-Wave models
RF Range	30m~50m indoor
Load types and rating	Up to 600W Incandescent / Halogen / LED All load ratings are based on an ambient temperature of 25 degrees Celsius
Materials	PBT & ABS
Certification	FCC & CE

* This products require neutral connection.

KEY BENEFITS

ENERGY MANAGEMENT

Convenient and intuitive controls allow the user to quickly power down unoccupied areas in any home or office and eliminate the need to search for lights and appliances that have been left on.

SAVE MONEY

Energy monitoring features help users to estimate costs for specific devices and lighting fixtures. These easy-to-use tools enable users to locate areas of greatest consumption, identify always on appliances, and set goals to slash utility bills.

*Note: Estimates may vary from actual utility bills.

DIMMERS SAVE EVEN MORE

Dimmers not only help to accentuate a home's natural beauty with custom ambient lighting, they can also save money. FDN1000 dimmers make it possible for users to extend the life of light bulbs, reduce the number of replacement bulbs needed, and cut down on replacement installations in hard to reach places.

- Simple ON/OFF feature
- 10 Steps dimming control

FULL CONTROL

Users are in full control with features like Remote Lock, which overrides switch panels to cut power to selected devices. And, whether at home or away, the user has complete access to their network via the web and smartphone controls.

DESIGN

Sleek and elegant designs that will enhance nearly any home or building.

- Stylish and inspired wave-shaped button design.
- LED indicators available in white, blue, and green.
- Interchangeable faceplates available in five colors: Snow White,
- Peach Ivory, Frost Silver, Dark Gray, and Champagne Gold

COMPLETE INTEGRATION

FDN1000 & FDN2000 series switches are designed for seamless integration with other Z-wave controllers. FDN2000 series switches feature sensors capable of monitoring the temperature in areas where they are installed.

* Note that the presentation of consumed electricity and controls may vary from the controllers manufacturers.

DIMENSION

Model No.	Description	Face plate Dimension (mm)	Back case Dimension (mm)	Color
FDN1000	Wireless Dimmer Light Switch	72.6 (W) x 114.5 (H) x 14.3 (D)	50.6 (W) x 72.7 (H) x 31.5 (D)	○ Snow white
FDN21XX	Wireless Light Switch 1 Touch	72.6 (W) x 114.5 (H) x 10.8 (D)	50.6 (W) x 72.7 (H) x 31.5 (D)	○ Peach ivory
FDN22XX	Wireless Light Switch 2 Way	72.6 (W) x 114.5 (H) x 10.8 (D)	50.6 (W) x 72.7 (H) x 31.5 (D)	○ Frost silver
FDN23XX	Wireless Light Switch 3 Way	72.6 (W) x 114.5 (H) x 10.8 (D)	50.6 (W) x 72.7 (H) x 31.5 (D)	● Dark gray
FDN24XX	Wireless Light Switch 4 Way	72.6 (W) x 114.5 (H) x 10.8 (D)	50.6 (W) x 72.7 (H) x 31.5 (D)	○ Champagne gold

FDN1000
DIMMER SWITCH

FDN21XX
LIGHT SWITCH 1 TOUCH

FDN22XX
LIGHT SWITCH 2 WAY

FDN23XX
LIGHT SWITCH 3 WAY

FDN24XX
LIGHT SWITCH 4 WAY

FDN1000 & 2000 SERIES
REAR VIEW

PRODUCT INDEX BY MODEL NUMBER

Series	Model No.	Communication	Functions TM*	Functions PM**
FDN1000	FDN1000	Non-RF	-	-
	FDN1011	Z-Wave	√	-
	FDN1012	Z-Wave	√	√
FDN2300	FDN2300	Non-RF	-	-
	FDN2311	Z-Wave		-
	FDN2312	Z-Wave		√

Series	Model No.	Communication	Functions TM*	Functions PM**
FDN2100	FDN2100	Non-RF	-	-
	FDN2111	Z-Wave	√	-
	FDN2112	Z-Wave	√	√
FDN2400	FDN2400	Non-RF	-	-
	FDN2411	Z-Wave	√	-

Series	Model No.	Communication	Functions TM*	Functions PM**
FDN2200	FDN2200	Non-RF	-	-
	FDN2211	Z-Wave	√	-
	FDN2212	Z-Wave	√	√

* TM : Temperature Monitor
** PM : Power Consumption Monitor

An innovative idea
to cut electricity costs!

"This is the most beautifully designed light switch."
- Vital Steel NYC

"Whenever a bit of tiny design draws inspiration from gigantic architecture, it almost never goes wrong – and almost certainly goes so very right. This is an example that's completely lovely."
- Yanko Design Chris Burns

"No doubt, this switch deserves to win the 2010 Presidential Good Design Award. Inspired by Korean architecture and clothing, the ¨Nanogrid¨ switches give a new meaning to electrical switches."
- HomeQN: Home Quotient Shikha Chauhan

"It's interesting how details such as switches can really make an impact on a home. Take, for example, the Nanogrid by Frostdale Co. Inspired by Korean architecture and clothing, these switches will surely make guests exclaim in delight and interest."
- Trend Hunter Meghan Young

FROSTDALE

* Image depicts FDN1000

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