



## Linear Z-Wave **Lighting**, **Security** & **Control** Products

Linear's family of Z-Wave certified wireless lighting, security and control products bring a new level of intelligent wire-free capability to commercial and residential environments.

The Z-Wave wireless protocol is an international wireless standard for remote home automation, security and other applications. Embedded in each device, the Z-Wave smart chip enables two-way RF communication among hundreds of Z-Wave enabled devices, allowing products and services from multiple manufacturers to work seamlessly.

Linear Z-Wave products are easy to install, and allow dealers to create an integrated wireless network with nearly limitless expansion and interoperability with security and health monitoring systems, energy management, home entertainment, appliances, and more. Home and business owners gain a host of wireless lifestyle advantages:

- Convenience
- Affordability
- Compatibility with building automation systems
- Ease of Use
- High reliability
- Scene Capable

All products operate at the standard 908.42 MHz frequency, supporting network wide inclusion and are security system compatible.

All Linear Z-Wave products integrate with other Linear Z-Wave enabled products, and can also act as a wireless repeater to ensure that commands intended for another device in the network are received (useful when a device would otherwise be out of radio range).



Get even more from Z-Wave devices with a mobile control service - available from any of Linear's home automation service partners.

**Linear**<sup>®</sup>

# Linear Z-Wave Lighting Products



## LB60Z-1 Dimmable LED Light Bulb

The LinearLinc™ LB60Z-1 is a Z-Wave controllable and fully-dimmable, instant-on LED screw-in light bulb that provides pleasant soft-white illumination equivalent to a 60-watt incandescent bulb, yet uses only 9 watts of energy. The LB60Z offers great value and convenience with an estimated 22+ year lifespan (3 hrs./day avg.), and remote control through a compatible Z-Wave hub or controller.



## WS15Z-1 Wall Mount Switch

The Linear WS15Z-1 Wall Mount Switch allows remote ON/OFF control of loads connected to the switch, and is easily wired in place of a standard wall switch.

### Replaceable Trim Ring

The WS15Z-1 Wall Mount Switch has a field replaceable trim ring - the color of the device can be altered with the Trim Ring Kit model in black, brown and almond.



## WT00Z-1 3-Way Wall Mount Accessory Dimmer/Switch

The WT00Z-1 Wall Mount Accessory Dimmer Switch allows remote ON/OFF control and dimming of lights controlled by associated Z-Wave modules, creating virtual 3-way switches. The WT00Z-1 controls no load directly, so it can be wired anywhere power is available, without the need for a traveler wire.

### Replaceable Trim Ring

The WT00Z-1 3-Way Wall Mount Accessory Dimmer/Switch has a field replaceable trim ring - the color of the device can be altered with the Trim Ring Kit model in black, brown and almond.



## WD500Z-1 Wall Mount Dimmer

The Linear WD500Z-1 Wall Mount Dimmer allows remote ON/OFF control and dimming of connected lights. The dimmer switch is easily wired in place of a standard wall dimmer, and requires a Neutral connection.

### Replaceable Trim Ring

The WD500Z-1 Wall Mount Dimmer has a field replaceable trim ring - the color of the device can be altered with the Trim Ring Kit model in black, brown and almond.

### Also Available: WD1000Z-1

Linear also offers a 1,000 watt capacity dimmer, model WD1000Z-1.

# Linear Z-Wave Lighting Products



## WO15Z-1 Wall Mounted Outlet

The Linear WO15Z-1 Wall Outlet is wired in place of a standard duplex receptacle. This device allows remote ON/OFF control of loads connected to the bottom outlet (the other outlet remains powered at all times).

### 2008 National Electric Code Compliance

The 2008 NEC requires that all new installations of single and multi-family homes install tamper-resistant outlets. The WO15Z-1 is fully compliant with this code.



## PD300Z-2 Plug-in Lamp Module

### Z-Wave Plug-in Lamp Module

The Linear PD300Z-2 Plug-in Lamp Module is designed to provide Z-Wave control to a connected dimmable lamp. The PD300Z-2 module is plugged into any standard grounded AC wall outlet, and the lamp is then plugged into the module. Once connected, the lamp can be dimmed or turned on or off remotely via the Z-Wave controller. The module contains two power receptacles - one controlled, and one pass-through (powered at all times).

### AutoSense

Unique to Linear, the AutoSense feature allows for local lamp activation independent of the Z-Wave controller status. With AutoSense, one can simply switch the connected lamp's manual switch off, then on, and AutoSense will instruct the PD300Z-2 to turn the lamp on.



## PS15Z-2 Plug-in Appliance Module

The Linear PS15Z-2 Plug-in Appliance Module is designed to provide Z-Wave control to a connected load. The PS15Z-2 module is plugged into any standard grounded AC wall outlet, and the appliance or other device is then plugged into the module. Once connected, the appliance/device can be turned on or off remotely via the Z-Wave controller. The module contains two power receptacles - one controlled, and one pass-through (powered at all times).



## FS20Z-1 Isolated Contact Fixture Module

The Linear FS20Z-1 Isolated Contact Fixture Module can be mounted in a single- or multi-gang electrical box to operate loads or control relay-based devices. The relay can be isolated for dry contact applications or powered to switch live loads. This device can operate loads of up to 277v.

**Possible Applications:** *Commercial Lighting, In-Ceiling Lighting/fans, Dry-Contact Relays, Pool Pumps, Water Heaters.*

# Linear Z-Wave Security Products



## WAPIRZ-1 Passive Infrared Motion Detector

The Linear WAPIRZ-1 Passive Infrared Motion Detector (PIR) is a wireless indoor security device designed to sense and report motion activity and transmit alert signals via a Z-Wave network. The PIR comes with a long-life battery, and provides a low-battery alert signal when the battery needs replacement. The PIR also includes a temperature sensor that can trigger an alert based on specific changes to the room's temperature.

### SPECIFICATIONS

- Motion Detection Range: 6' to 32'
- Horizontal Coverage Angle: 120 Degrees
- Temperature Change Alert: 2° F
- For non-life safety applications



## WADWAZ-1 Door-Window Sensor

The WADWAZ-1 is a two-piece sensor designed to be affixed to a door, window or other permanent fixture that opens and closes, such as a drawer, safe, or valuables storage cabinet. Once paired with a compatible Z-Wave controller or hub, the sensor will report when the fixture has been opened or closed via wireless Z-Wave transmission.

### SPECIFICATIONS

- Maximum Sensor Gap: 0.75"
- Supports External Contact: Yes
- For non-life safety applications
- Long-life battery included



## WA105DBZ-1 Sounder/Strobe Warning Device

The Linear WA105DBZ-1 is a Z-Wave enabled combination Sounder/Strobe warning device, designed to alert intruders of a security system presence. Once paired with a compatible Z-Wave controller or hub, the sensor can be turned on or off remotely via the Z-Wave controller and network. When on, the sounder emits a very loud 105 dB alert tone and the integrated strobe flashes brightly.

The WA105DBZ-1 Sounder/Strobe is designed to be wall-mounted, and comes with a UL-approved AC plug-in power supply and offers an integrated battery backup, in case of AC power interruption.

### SPECIFICATIONS

- Sounder Volume: 105 dB @ 1 Meter
- Strobe Illumination: 4 white LED, 360 lumens
- For non-life safety applications

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*Once paired with a compatible Z-Wave controller or hub, Linear Z-Wave products can also trigger other Z-Wave devices to turn on or off automatically via the Z-Wave controller, such as security and control equipment or lights.*  
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# Linear Z-Wave Control Products

## GD00Z | Linear Z-Wave Garage Door Remote Controller Accessory



The Linear GD00Z Garage Door Remote Controller Accessory opens or closes a sectional garage door remotely through a Z-Wave certified Gateway or Security Panel. It is compatible with virtually any automatic garage door opener connected to a sectional garage door. Installers only need to 'pair' the unit into the Gateway, mount the unit, connect two wires and plug it in. The GD00Z provides both audible and visual warnings prior to remotely-activated door movement, allowing it to meet UL 325-2010 safety requirements. The GD00Z ships with a wireless tilt sensor that attaches to the inside of the garage door, which reports 'open' or 'closed' status to the controller.



### Specifications

- Power: 120VAC, 50/60 Hz
- Garage door position sensor frequency: 345 MHz
- Z-wave Frequency: 908.42 MHz

### Z-Wave Specifications

- Range: Up to 100 feet between the wireless controller and/or the closest Z-Wave receiver module
- Network wide inclusion
- Scene: Command Class
- Security compatible

### Certifications

- FCC
- ETL

### Included Accessories

- Power supply 120VAC / 60Hz to 12VDC
- Garage Door Tilt Sensor
- Mounting Bracket and Hardware

### DIMENSIONS

Controller - W x H x D (Inches): 6.94 x 1.38 x 5.0  
Tilt Sensor - W x H x D (Inches): 1.69 x 0.88 x 1.19

# Linear Z-Wave Lighting, Security & Control Products



Part Number	Description	Avg. Life	Light Appearance	Energy Use	Brightness	Z-Wave Repeater	
LB60Z-1	Dimmable LED Light Bulb (60-watt equivalent)	22.8 years (3 hrs./day)	2700° K	9 watts	750 lumens	Y	
Part Number	Description	Isolated Contacts / Resistive	Motor	Incandescent	Auto Sense	Replaceable Trim Ring	Z-Wave Repeater
WT00Z-1	3-Way In-Wall Dimmer Switch	None			N	Y	Y
WS15Z-1	In-Wall Switch	15 amps, 1800W max	1 H.P. max, 120 VAC	600W max, 120 VAC	N	Y	Y
WD500Z-1	In-Wall Dimmer Switch, 500 W	n/a	n/a	500W (installed lighting, no receptacles)	N	Y	Y
WD1000Z-1	In-Wall Dimmer Switch, 1000 W	n/a	n/a	1000W (installed lighting, no receptacles)	N	Y	Y
W015Z-1	In-Wall Receptacle Outlet	15 amps, 1800W max	n/a	600W max, 120 VAC	Y	N	Y
PD300Z-2	Plug-In Lamp Dimmer Module	n/a	n/a	300W max, 120 VAC	Y	N	Y
PS15Z-2	Plug-In Small Appliance Module	15 amps, 1800W max	1/2 H.P. max, 120 VAC	600W max, 120 VAC	N	N	Y
FS20Z-1	Fixture-Mounted Control Module	20 amps G.P. max, 277 VAC, 10 FLA, 60 LRA, 250 VAC	1 H.P. max, 120/240 VAC	960 W max, 120 VAC, TV8 (Tungsten)	N	N	Y

Part Number	Description	Z-Wave Range (line of sight)	Operating Temperature	Power/Battery	Color	Security Compatible	Z-Wave Repeater
WAPIRZ-1	Passive Infrared Motion Detector	Up to 100'	5° - 140° F	3 VDC/CR123A	White	Y	N
WADWAZ-1	Door-Window Sensor	Up to 100'	5° - 140° F	3 VDC/CR123A	White	Y	N
WA105DBZ-1	Sounder/Strobe Warning Device	Up to 100'	5° - 140° F	6 VDC/NiMH (permanent cell)	White w/ red lens	Y	Y

Part Number	Description	Z-Wave Range (line of sight)	Operating Temperature	Power/Battery	Color	Security Compatible	Z-Wave Repeater
GD00Z-4	Garage Door Opener Remote Controller	Up to 100'	-4° to 122° F	Controller: 12 VDC from 120 VAC/60Hz power supply; Tilt Sensor: CR2032	Black	Y	Y

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