Linear®
Building On Innovation.

WO15Z-1
Radio Frequency Controlled, 120 VAC, 15A, Duplex
Receptacle, Series 300

GREEN — GROUND

ALWAYS POWERED OUTLET →

CONTROLLED OUTLET →

TOTAL LOADS MUST NOT EXCEED 15 AMPS @ 120 VAC (INCLUDES ALL LOADS PLUGGED INTO THE RECEPTACLE)

WHITE — NEUTRAL

BLACK — LINE 120 VAC

TOTAL LOADS MUST NOT EXCEED 15 AMPS @ 120 VAC (INCLUDES ALL LOADS PLUGGED INTO THE RECEPTACLE

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LISTED

NOTE: This module must be "included in the Network" **only where it will be permanently installed.** The proper operation of this node in the <u>mesh network</u> is dependent on it knowing its location with respect to other nodes. You cannot "test bench" configure this module, then install.

WO15Z-1 DUPLEX RECEPTACLE

Linear's family of Z-Wave certified wireless lighting controls (switches, dimmers, outlets and plug-in modules) brings a new level of intelligent wireless 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.

As part of a Z-Wave network, the WO15Z-1 will also act as a wireless repeater to insure that commands intended for another device in the network are received. This is useful when the device would otherwise be out of the radio range of the wireless controller.

DANGER! SHOCK HAZARD. Read and understand these instructions before installing. This device is intended for installation in accordance with the National Electric code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. It is recommended that a qualified electrician perform this installation. Make sure the total load controlled does not exceed 1800 watts. For indoor use only. Retain instructions for future use.

INSTALLATION

Wire this receptacle in place of a current receptacle according to the diagram above. Use copper wire only, or equivalent.

INCLUDING WO15Z-1 TO THE NETWORK

STEP 1. Prepare the Controller to include a unit to the network, by adding it to a group (method of adding a node to the network). Refer to controller instructions.

STEP 2. The WO15Z-1 **must be in its permanently installed location.** Tap the button on the face of the WO15Z-1 once when your controller indicates (to include in the network).

STEP 3. You should see an indication on your Controller that the "DEVICE WAS INCLUDED" in the network.

NOTE: If you have trouble adding the WO15Z-1 to a group it may be that the Home ID and Node ID were not cleared from it after testing. You must first "RESET UNIT" with your controller to remove it from the network.

Although adding it to a group includes it in the network, removing it from a group does not remove it from the network. If removed from a group, it functions as a repeater only. "RESET UNIT" removes it from the network

Receptacle Configuration

The WO15Z-1 Receptacle controls the ON and OFF of a load connected to the <u>controlled outlet</u> **(See Wiring Diagram for identification)**.The other outlet remains powered all the time. A button on the face of the receptacle is used to add the module to the wireless network and be controlled from the wireless controller. With the Wireless Controller, the WO15Z-1 Receptacle can be turned ON and OFF remotely, and can be included in groups that operate at the same time (a group can be a single module), and in scenes that set a lighting mood.

Local ON and OFF

When the button on the face of the WO15Z-1 is pressed, the power to the controlled outlet will turn on. When the button is pressed again, the controlled outlet will turn off.

Child Protection

The WO15Z-1 controlled outlet can be set in a child protect mode by the Wireless Controller. When this mode is active, a user will have to press the button on the face 3 times rapidly to activate the attached load. The module operates normally when controlled by the Wireless Controller.

Other Functions

The button on the face of the WO15Z-1 Receptacle can be used to carry out inclusion (add to a group), association (operate simultaneously with other nodes), exclusion (remove from group) or reset (remove from network). The WO15Z-1 has a blue indicator LED. This LED will turn on when the controlled outlet is on and will turn off when the controlled outlet is off. However, its behavior can be configured as a "night light" (LED ON when the controlled outlet is off). See Configuration section below on how to do it.

ADVANCED OPERATION

Configuration
The WO15Z-1 supports the Configuration Command.

The WO15Z-1 has some features that can be configured (if your controller supports it).

The WO15Z-1 can be configured to operate slightly differently than how it works when you first install it. You can use a Z-Wave Wireless Controller to send Configuration commands (refer to the Setup Menu, Configuration section of the IR-100 instructions). Using the Configuration command you can configure the following:

Set this parameter to 0 to have the blue indicator LED show state of controlled outlet (indicator ON = outlet ON).

Set this parameter to 1 to have indicator show the opposite state of controlled outlet (indicator ON = outlet OFF).

- **Configuration Parameter No 3.**
- **Length: 1 Byte**
- **Valid Values: 0 or 1 (Default:0)**

SPECIFICATIONS

Power	120VAC, 60 Hz
Maximum	Load Resistive: 15 amps (1800 watts) maximum, 120 VAC
Signal	(Frequency)908.42 MHz
Range	Up to 100 feet line of sight between the Wireless Controller and/or the closest HomePro Module

REGULATORY INFORMATION

The WO15Z-1 is certified to comply with applicable FCC and IC rules and regulations governing RF and EMI emissions.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Notice

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician to help.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

IC NOTICE

This Class B digital apparatus complies with Canadian ICES-003

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

WARRANTY

This Linear product is warranted against defects in material and workmanship for twelve (12) months. **This warranty extends only to wholesale customers** who buy direct from Linear or through Linear's normal distribution channels. Linear does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty, if any. **There are no obligations or liabilities on the part of Linear Corporation for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation.** All implied warranties, including implied warranties for merchantability and implied warranties for fitness, are valid only until Warranty Expiration Date as labeled on the product. **This Linear LLC Warranty is in lieu of all other warranties express or implied.** All products returned for warranty service require a Return Product Authorization Number (RPA#). Contact Linear Technical Services at 1-800-421-1587 for an RPA# and other important details.

IMPORTANT !!!

Linear radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed.

- For U.S. installations only: The radios are required to comply with FCC Rules and Regulations as Part 15 devices. As such, they have limited transmitter power and therefore limited range.
- A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies, regardless of code settings.
- Changes or modifications to the device may void FCC compliance.
- Infrequently used radio links should be tested regularly to protect against undetected interference or fault.
- A general knowledge of radio and its vagaries should be gained prior to acting as a wholesale distributor or dealer, and these facts should be communicated to the ultimate users.