INSTEON™ ApplianceLinc™ V2

INSTEON Appliance Module

For model:
#2456S3 ApplianceLinc V2 with ground pin

INSTEON COMPATIBLE

SMARTHOME™
MAKING LIFE MORE CONVENIENT, SAFE AND FUN

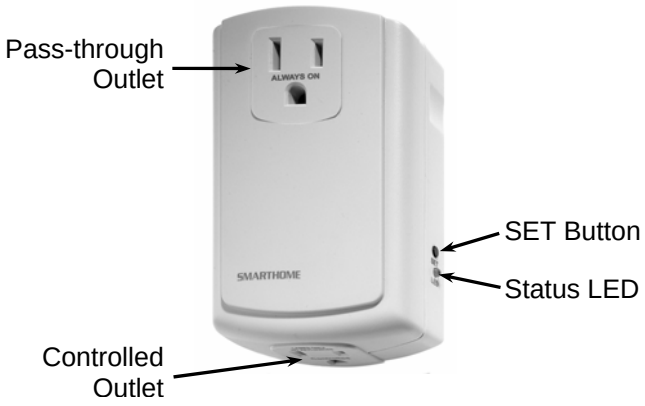
INSTEON

INSTEON ApplianceLinc V2 User's Guide

TABLE OF CONTENTS

ABOUT INSTEON APPLIANCELINC

Congratulations on purchasing the INSTEON™ ApplianceLinc™ V2. Your new ApplianceLinc allows you to remotely control any devices or lamps in your home at the touch of a button.



What is INSTEON?

INSTEON is a simple, reliable, and affordable breakthrough in home control. Simple, because Plug-n-Tap™ setup is a breeze, and there are no wires to add – INSTEON uses existing powerline wiring as well as radio-frequency for communication. Reliable, because every INSTEON device is a two-way repeater. And affordable, not just because of low cost, but because INSTEON also works with legacy X10 devices. An INSTEON home grows in value with every INSTEON device you add, making life more convenient, safe and fun.

Key ApplianceLinc Features

- Setup is easy – ApplianceLinc installs in minutes
- Controls all standard appliances up to 15 Amps and incandescent lights, up to 480 watts
- Responds to commands from X10 controllers
- A pass-through receptacle on the front so you don't lose an outlet
- Shows INSTEON and X10 activity with a white status LED
- Stores setup state in memory, even while unplugged
- Quiet Relay
- Local load sensing easily disabled
- Set button also functions as On/Off toggle switch
- Warranted for two years

HOW TO INSTALL APPLIANCELINC

Caution

Read and understand these instructions before installing, and retain them for future reference.

ApplianceLinc 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. Use indoors only. ApplianceLinc is not designed nor approved for use on power lines other than 120V 60Hz, single phase. Attempting to use ApplianceLinc on non-approved powerlines may have hazardous consequences.

Proper installation of at least two SignaLinc™ RF Signal Enhancers is required prior to installing and using other INSTEON devices.

ApplianceLinc Installation Tips

- Don't plug ApplianceLinc into an outlet controlled by a switch, because if the switch is inadvertently turned off, ApplianceLinc won't have power.
- Don't plug ApplianceLinc into a filtered power strip or AC line filter.
- Be sure the device or lamp you want to control is working and that the manual switch on it is in the ON position.
- Don't stack ApplianceLinc, LampLinc™, SignaLinc™ RF, or PowerLinc™ modules together by plugging them into each other. Stacked modules may overheat and stop functioning.
- Do not use outdoors
- Do not use to control devices that preserve, maintain, or contribute to human or animal safety or life support.

Installing ApplianceLinc

1. For best INSTEON Network performance, be sure you have properly installed at least two SignaLinc RF Signal Enhancers.
2. Plug ApplianceLinc into an unswitched wall receptacle. The white Status LED on the side will illuminate steadily.

3. Plug the device/lamp you want to control into the ***controlled outlet on the bottom*** of ApplianceLinc.

4. The device/lamp you plugged in will turn on. If the device/lamp does not turn on, turn it on manually.

5. You can use the pass-through outlet on the *front* of ApplianceLinc as you would an ordinary uncontrolled wall outlet. However do not plug another home automation product into this outlet.

HOW TO SET UP APPLIANCELINC

Linking ApplianceLinc to an INSTEON Controller

1. Select your INSTEON Controller from the list below and follow the method shown to put it into **Linking Mode**.

A. **SwitchLinc™ V2** – Press and hold SwitchLinc V2 's **Paddle Top** for 10 seconds, then release. To confirm that it is in Linking Mode, SwitchLinc V2 will flash the light that it is wired to once and begin blinking the top LED in its LED Bar.

B. **ControLinc™ V2 Tabletop Controller** – Choose the ON/OFF Button Pair you want to use for controlling ApplianceLinc. Press and hold the **ON Button** of the pair for 10 seconds. To confirm that it is in Linking Mode, ControLinc V2's Status LED will begin blinking.

C. **KeypadLinc™ V2** – Choose the ON Button you want to use for controlling ApplianceLinc. Press and hold the **ON Button** for 10 seconds. To confirm that it is in Linking Mode, KeypadLinc V2 will flash the light that it is wired to once and begin blinking the ON Button that you pushed.

D. **Other INSTEON Controllers** – See the INSTEON Controller's User's Guide.

2. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds. The ApplianceLinc's Status LED will blink to confirm linking. Depending on the INSTEON controller, you have about 4 minutes to perform this step before the unit automatically exits from linking mode.

Unlinking ApplianceLinc from an INSTEON Controller

If you are no longer going to use an ApplianceLinc that has previously been linked to an INSTEON Controller, it is very important that you unlink it; otherwise the controller will retry any commands intended for the unused module, thus slowing down your system.

1. Select your INSTEON controller from the list below and follow the method shown to put it into **Unlinking Mode**.

A. **SwitchLinc V2 –** Press and hold SwitchLinc V2 's **Paddle Top** for 10 seconds **TWICE**. To confirm that it is in Unlinking Mode, SwitchLinc V2 will flash the light that it is wired to once for each paddle press and begin blinking the top LED in its LED Bar.

B. **ControLinc V2 Tabletop Controller** – Press and hold the **OFF Button** of the ON/OFF Button Pair you used for controlling ApplianceLinc for 10 seconds. To confirm that it is in Unlinking Mode, ControLinc V2's Status LED will begin blinking.

C. **KeypadLinc V2** – Press and hold for 10 seconds the **ON Button** you used for controlling ApplianceLinc, then press and hold the same **ON Button** for 10 seconds **again**. To confirm that it is in Unlinking Mode, KeypadLinc V2 will flash the light that it is wired to once and begin blinking the ON Button that you pushed.

D. **Other INSTEON Controllers** – See the INSTEON Controller's User's Guide.

2. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds. The ApplianceLinc's Status LED will blink to confirm unlinking. Depending on the INSTEON Controller, you have about 4 minutes to perform this step before Unlinking Mode times out automatically.

Creating an INSTEON Scene

INSTEON Scenes let you activate dramatic lighting moods with the press of just one button. INSTEON Scenes are very easy to set up – just link more than one INSTEON module to an ON/OFF Button Pair on an INSTEON Controller. Then, when you press either the ON or the OFF Button on the INSTEON Controller, all of the INSTEON modules linked in the scene will respond as a group. You can link multiple ApplianceLincs or other INSTEON modules to multiple INSTEON Controllers.

To add an additional ApplianceLinc to a scene controlled by an ON/OFF Button Pair on an INSTEON Controller, simply follow the same procedure that you used for linking the first ApplianceLinc. See *Linking ApplianceLinc to an INSTEON Controller*, above. To remove an ApplianceLinc from a scene, see *Unlinking ApplianceLinc from an INSTEON Controller*.

TIP

With some INSTEON Controllers, you can avoid having to hold a button down for 10 seconds for each setup step by placing the Controller in **Scene Setup Mode**, also called **Multilink Mode**. Refer to your INSTEON Controller's User's Guide for detailed instructions on how to set it to Scene Setup Mode. The following will work for a Smarthome ControLinc™ V2 Tabletop Controller.

1. Set the ControLinc V2 to Scene Setup Mode for the ON/OFF Button Pair you want to use for controlling the scene by pressing and holding the **ON Button** of the pair for 10 seconds, *then tapping the same* **ON Button** *again*. ControLinc V2's Status LED will blink slowly.
2. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds. The module's Status LED will blink to confirm linking. ControLinc V2 will beep to confirm linking, and its Status LED will continue to blink slowly.
3. Continue Steps 2 and 3 for any additional INSTEON modules you want to link to the scene.
4. When you are finished linking INSTEON modules to the desired ON/OFF Button, complete Scene Setup by pressing the **ON Button**. ControLinc V2's Status LED will stop blinking and remain steadily on. You have about 4 minutes of inactivity before Scene Setup Mode times out automatically.

ADVANCED FEATURES OF APPLIANCELINC

Restoring Power to ApplianceLinc

ApplianceLinc stores all of its settings in non-volatile memory, even when unplugged. In the event of a power loss, ApplianceLinc will automatically return the device/lamp being controlled to the on/off position it had before the power was interrupted. Similarly, if ApplianceLinc is plugged into an outlet controlled by a wall switch and you turn the switch off, ApplianceLinc will turn the device/lamp back on to its prior on/off position when you turn the wall switch back on.

Resetting ApplianceLinc to Its Factory Default Settings

The factory-reset procedure can be used to clear ApplianceLinc's memory and restore its factory default settings. This procedure will clear the unit of all INSTEON Links, and any programmed X10 Primary Address, or X10 Scene Addresses.

1. Before resetting an ApplianceLinc that has been linked to an INSTEON Controller, be sure to unlink it from the Controller first. See *Unlinking ApplianceLinc from an INSTEON Controller*, above.
2. Unplug ApplianceLinc for about 10 seconds.
3. While holding down the black **SET Button** on ApplianceLinc, plug ApplianceLinc back in.
4. After plugging ApplianceLinc back in, continue to hold down the black SET Button for 3 seconds.
5. Release the black SET Button.
6. After several seconds, ApplianceLinc's Status LED will turn on and the lamp you plugged in will come on, indicating that the factory reset is complete. ApplianceLinc is now reset to all the default settings and ready for fresh programming and use.

Enabling or Disabling Local Control (Load Sensing)

Local Control allows you to manually turn on the device you plugged into ApplianceLinc by using the switch on the device itself, without sending a command from an X10 or INSTEON Controller. When the ApplianceLinc switched circuit is turned off in Local Control mode, it continues to apply a micro-current to the switched circuit. ApplianceLinc senses changes in this micro-current flow caused by using the attached device's power switch, and applies full current when it determines the device is being turned on. This feature is convenient in most situations with most devices, but if the device exhibits unwanted behavior with this micro-current applied, or if you want to restrict device activity to INSTEON/X10 control only, you may want to disable Local Control. By default, Local Control is enabled. To disable Local Control, review *Enabling or Disabling Local Control (Load Sensing)* in the *X10 Programming Options* section that follows.

X10 PROGRAMMING OPTIONS

ApplianceLinc is X10 ready, meaning that it can respond to X10 commands from an X10 controller. However, **to operate ApplianceLinc in X10 mode**, **you must first set up an X10 Primary Address**. As it ships from the factory, or after a factory reset procedure, ApplianceLinc will have no X10 Primary Address assigned.

Setting the X10 Primary Address

You must do this before ApplianceLinc will respond to X10 commands. You can use any of the 256 possible X10 addresses for the X10 Primary Address.

1. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds. The white Status LED will begin flashing and the lamp you are controlling will blink to confirm that you are setting up an X10 Primary Address.
2. Use an X10 Controller to send an **X10 address and an ON command THREE TIMES**. You have about 30 seconds to perform this step before setup mode expires. (NOTE: If you send an **X10 OFF** command during this step, Local Control will be disabled. See the next section for an explanation.)
3. Once ApplianceLinc has received the X10 Address and an ON or OFF command, the Status LED on ApplianceLinc will stop flashing and the X10 Primary Address will be set.

Removing the X10 Primary Address

1. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds. The white Status LED will begin flashing to confirm that you are setting up an X10 Primary Address.
2. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds **again**.
3. Use an X10 Controller to send any **X10 ON Address THREE TIMES**. You have about 30 seconds to perform this step before setup mode expires. The white Status LED will stop flashing to confirm that you have removed the X10 Primary Address. Please note that removing the X10 primary address does not disable all X10 reception. If any scenes were set, the module will still respond to those scene addresses.

Enabling or Disabling Local Control (Load Sensing)

Local Control allows you to manually turn on the device you plugged into ApplianceLinc by using the switch on the device itself, without sending a command from an X10 or INSTEON Controller. When the ApplianceLinc switched circuit is turned off in Local Control mode, it continues to apply a micro-current to the switched circuit. ApplianceLinc senses changes in this micro-current flow caused by using the attached device's power switch, and applies full current when it determines the device is being turned on. This feature is convenient in most situations with most devices, but if the device exhibits unwanted behavior with this micro-current applied, or if you want to restrict device activity to INSTEON/X10 control only, you may want to disable Local Control. By default, Local Control is enabled. To disable Local Control:

1. Press and hold the black **SET Button** on ApplianceLinc for 3 seconds. The white Status LED will begin flashing and the lamp you are controlling will blink.
2. Use an X10 Controller to send the **X10 address and an OFF command THREE TIMES**. You have about 30 seconds to perform this step before setup mode expires.
3. Once ApplianceLinc has received the full X10 Address and OFF command sequence, the Status LED on ApplianceLinc will stop flashing and Local Control will be disabled.

NOTE: To re-enable Local Control, repeat steps 1-3, substituting **ON** commands instead of **OFF.**

ADVANCED X10 PROGRAMMING OPTIONS

You can remotely set up X10 Scene Addresses using an X10 Controller capable of sending an X10 address (house code and unit code) *without* sending X10 ON or OFF commands. The following procedures will not work with a transmitter that sends the X10 address and an X10 command together. X10 Controllers in which one button is pressed to turn an X10 device on or off WILL NOT WORK.

These procedures all begin by sending the same sequence of five X10 addresses, called the CLEAR Sequence. After you send the CLEAR Sequence, you have about 4 minutes to finish the procedure before automatic timeout.

About X10 Scene Address Programming

ApplianceLinc can be a member of up to 255 X10 Scenes. An X10 Scene Address is just another X10 address like the X10 Primary Address. When an X10 ON command is sent to an X10 Scene Address, every X10 Scene-enabled module with that X10 Scene Address will turn on to its independent On-Level at its independent Ramp Rate. Sending an X10 OFF command to an X10 Scene Address will turn off all modules that are members of that X10 Scene. However, they will ignore ALL ON and ALL OFF commands for the X10 Scene Address.

Remotely Setting an X10 Scene Address

1. Using an X10 Controller, send the CLEAR Sequence:

O16	N16	M16	P16	M16

2. Send ApplianceLinc 's X10 Primary Address (house code and unit code).
3. Send an X10 ON or OFF command.
4. Send the following X10 Address sequence:

M16	N16	O16	P16

5. Send the desired X10 Scene Address (house code and unit code) to lock in the X10 Scene Address.
6. ApplianceLinc will blink its Status LED, indicating that the X10 Scene Address has been set up.

Remotely Removing an X10 Scene Address

1. Using an X10 Controller, send the CLEAR Sequence:

O16	N16	M16	P16	M16

2. Send ApplianceLinc 's X10 Primary Address (house code and unit code).
3. Send an X10 ON or OFF command.
4. Send the following X10 Address sequence:

O16	P16	M16	N16

5. Send the X10 Scene Address (house code and unit code) that is to be removed.
6. ApplianceLinc will blink its Status LED, indicating that the X10 Scene Address has been removed.

ABOUT INSTEON

Understanding Why an INSTEON Network Is Reliable

INSTEON messages travel throughout the home via Powerline Carrier (PLC) signals on the existing house wiring, and also via wireless Radio Frequency (RF). As the messages make their way to INSTEON devices being controlled, they are picked up and retransmitted by all other INSTEON devices along the way. This method of communicating, called a *mesh network*, is very reliable because each additional INSTEON device helps to support the overall network.

To further ensure reliability, every INSTEON device confirms that it has received a command. If an INSTEON Controller does not receive this confirmation, it will automatically retransmit the command up to five times.

Further Enhancing Reliability

As signals travel via the powerline or RF throughout the home, they naturally become weaker the farther they travel. The best way to overcome signals getting weaker is to increase the coverage of the mesh network by introducing more INSTEON devices.

It is possible that some audio-video products, computers, power strips or other electrical equipment may attenuate INSTEON signals on the powerline. You can temporarily unplug suspected devices to test whether the INSTEON signal improves. If it does, then you can plug in filters available from Smarthome that will permanently fix the problem.

Using Smarthome's SignaLinc RF to Upgrade Your INSTEON Network

SignaLinc™ RF Signal Enhancers are ideal for improving signal strength and network coverage throughout your home. SignaLinc RF acts like another member of the dual-band mesh network, tying it together by simultaneously retransmitting INSTEON signals across both radio-frequency and the powerline. It also provides an access point for RF-only INSTEON devices, such as handheld controllers.

In addition, two SignaLinc RFs provide a wireless path for INSTEON signals to travel between the two separate electrical circuits, called *powerline phases*, found in most homes. Without a reliable method for coupling opposite powerline phases, some parts of your home may receive INSTEON signals intermittently. With at least one SignaLinc RF plugged into one of the powerline phases, and at least one more plugged into the opposite powerline phase, INSTEON powerline signals will be strong everywhere in your home.

About INSTEON and X10

Possible BoosterLinc™ Interference with INSTEON

If you have installed older Smarthome Plug-In BoosterLinc™ X10 Signal Boosters (#4827) or certain other BoosterLinc-enabled products, the older BoosterLinc technology may interfere with INSTEON communications.

Plug-In BoosterLinc X10 Signal Boosters, Smarthome #4827, shipped after February 1, 2005, with V3.0 or later firmware, are fully compatible with INSTEON.

The following Plug-In BoosterLinc X10 Signal Boosters use older firmware that may cause interference with INSTEON:

- White BoosterLinc X10 Signal Boosters, #4827, shipped before February 1, 2005, with V2.5 or earlier firmware
- All Gray BoosterLinc X10 Signal Boosters, #4827

Try unplugging the older BoosterLinc X10 Signal Boosters to see if this helps with INSTEON interference. If it does, please call 800-SMARTHOME (800-762-7846) for help with replacing your older BoosterLinc X10 Signal Boosters with newer INSTEON-compatible ones.

The following pre-INSTEON SmartHome products have BoosterLinc technology that you can turn on or turn off when you set the X10 Address for the product. If turned on, the BoosterLinc technology may interfere with INSTEON.

- KeypadLinc™ 6 with Integrated , #12073W, #12073WB and #12073WW

- SwitchLinc™ Relay 2-Way, #23883 and #23883T

- ToggleLinc™ 2-Way , #23890, and Switch, #23893

NOTE

To disable BoosterLinc X10 Signal Amplification on these products:

1. Press and hold the SET Button.
2. Send the X10 Primary Address.
3. Send an X10 OFF command.

You can send an X10 ON command in Step 3 to re-enable the BoosterLinc feature.

If you have any of these products and the BoosterLinc feature is turned on, please consult your User's Guide or call 800-SMARTHOME (800-762-7846) for help with turning it off. You may then wish to install newer INSTEON BoosterLinc X10 Signal Boosters, which Smarthome can help you with.

INSTEON's Effect on X10

If your existing X10 devices seem to be working less reliably after installing INSTEON devices, remember that INSTEON devices can absorb X10 signals just as X10 devices do, and that INSTEON devices do not repeat X10 signals. Installing INSTEON-compatible BoosterLinc X10 Signal Boosters, Smarthome #4827, or a SignaLinc Plug-In Coupler-Repeater, #4826, can increase X10 signal levels.

Please call 800-SMARTHOME (800-762-7846) if you have any questions or would like more help.

TROUBLESHOOTING

Problem	Possible Cause	Solution
The Status LED on my ApplianceLinc is not turning on at all.	ApplianceLinc is not getting power.	Make sure ApplianceLinc is not plugged into a switched outlet that is turned off.
My device is not being controlled after I've linked ApplianceLinc to a Controller.	Your device is not getting power.	Make sure your device is plugged into the outlet labeled *Controlled* at the bottom of ApplianceLinc.
		Make sure the device's switch is in the ON position.
My ApplianceLinc is not receiving signals from INSTEON or X10 Controllers.	The ApplianceLinc and the Controller are on opposite powerline phases.	Make sure two SignaLinc RFs are properly installed to bridge the two powerline phases.
	ApplianceLinc is plugged into a power strip.	Powerline signals can't travel through power filters. Plugging ApplianceLinc directly into a wall outlet works best.
	Other modules are loading down the signal.	Move ApplianceLinc, the other modules, or the Controller to another outlet.
My ApplianceLinc is not linking or responding to an INSTEON Controller.	The INSTEON signal may be too weak.	Add new INSTEON devices or move around existing INSTEON devices. All INSTEON devices act as INSTEON Network repeaters.
		Make sure you are not experiencing interference with older X10 BoosterLinc technology. Upgrade to INSTEON BoosterLincs.
		Try linking your ApplianceLinc to your INSTEON Controller with both of them plugged into the same outlet. Once linked, move them to the desired locations.
The device turned on by itself.	Another Controller, a timer, or stray X10 signals triggered ApplianceLinc.	Check scene membership and remove any unwanted links from ApplianceLinc, or perform a Factory Reset to clear it.
	The local control circuit may have been triggered	Install a powerline signal blocker in your home to keep X10 signals from neighboring homes from interfering. Consider not using ApplianceLinc in X10 mode.
		Disable the local control sense feature
		If the above doesn't work, perform a Factory Reset.
I'm having difficulty performing advanced X10 programming	The X10 "MNOP" house and unit codes were sent in the wrong order.	Don't hold down the buttons on your X10 controller too long, to avoid duplicate codes being sent.
My device doesn't always respond to my INSTEON Controller.	The INSTEON Controller may have been reset without first unlinking ApplianceLinc from it.	Re-link ApplianceLinc to the INSTEON Controller.
When I press a button on my INSTEON Controller, it takes a long time for my ApplianceLinc to respond.	You may have removed an INSTEON Device that your INSTEON Controller is trying to operate. The INSTEON Controller is re-trying the missing INSTEON Device.	Unlink the missing INSTEON Device(s) by following the directions in your INSTEON Controller's User's Guide.
My ApplianceLinc doesn't respond to X10 address A1 when I first set it up.	Unlike previous X10-only ApplianceLincs, ApplianceLinc V2 does not have an X10 Primary Address set up at the factory.	Set up an X10 Primary Address by following the instructions in the section *X10 PROGRAMMING OPTIONS*.
ApplianceLinc is locked	A surge or excessive noise	Unplug ApplianceLinc for 10 seconds and reinstall.

Problem	Possible Cause	Solution
up.	on the powerline may have glitched it.	If the above doesn't work, perform a Factory Reset.

If you have tried these solutions, reviewed this User's Guide, and still cannot resolve an issue you're having with ApplianceLinc, please:

- Search our online knowledge base at http://smarthome.custhelp.com.
- Call our Support Department at 800-SMARTHOME (800-762-7846).
- Email us at tech@smarthome.com.

SPECIFICATIONS

ApplianceLinc Specifications

General	
Smarthome Product Number	2456S3, INSTEON ApplianceLinc V2 On/Off Module
Warranty	2 years
Operation	
Status LED	White
Local Control	Load sensing (can be disabled)
Setup Memory	Non-volatile EEPROM
INSTEON Features	
INSTEON Addresses	1 hard-coded out of 16,777,216 possible
INSTEON Links	417
INSTEON Powerline Frequency	131.65 KHz
INSTEON Minimum Transmit Level	3.2 V_{pp} into 5 Ohms
INSTEON Minimum Receive Level	10 mV_{pp} nominal
INSTEON Messages Repeated	Yes
X10 Features	
X10 Primary Address	1 optional (comes unassigned)
X10 Scene Addresses	255 possible
X10 Status Request	Supported
X10 Powerline Frequency	121 KHz
X10 Minimum Transmit Level	3.2 V_{pp} into 5 Ohms
X10 Minimum Receive Level	20 mV_{pp} nominal
X10 Messages Repeated	No
Mechanical	
Operating Conditions	Indoors, 32 to 122°F, up to 85% relative humidity
Dimensions	4.0" H x 2.5" W x 1.5" D
Weight	5 oz
Electrical	
Supply Voltage	120 Volts AC +/- 10%, 60 Hertz, single phase
Surge Protection	MOV rated for 150 Volts
Power Plug	3-pin grounded
Pass-through Outlet	3-pin grounded
Controlled Outlet	3-pin grounded
Maximum Load	480 Watts
Maximum Amps	15 Amps (for resistive loads)
Certification	Safety tested for use in USA and Canada (ETL #3017581)

Certification

ApplianceLinc V2 has been thoroughly tested by ITS ETL SEMKO, a nationally recognized independent third-party testing laboratory. The North American ETL Listed mark signifies that the product has been tested to and has met the requirements of a widely recognized consensus of U.S and Canadian product safety standards, that the manufacturing site has been audited, and that the manufacturer has agreed to a program of quarterly factory follow-up inspections to verify continued conformance.

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of two years from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this User's Guide. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller's liability with respect to this product. For repair or replacement during the warranty period, call Smarthome customer service to receive an RA# (return authorization number), properly package the product (with the RA# clearly printed on the outside of the package) and send the product, along with all other required materials, to:

Smarthome, Inc.
ATTN: Receiving Dept.
16542 Millikan Ave.
Irvine, CA 92606-5027

SMARTHOME™
MAKING LIFE MORE CONVENIENT, SAFE AND FUN

Limitations

The above warranty is in lieu of and seller disclaims all other warranties, whether oral or written, express or implied, including and warranty or merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the one-year period of the express warranty above. No other representation or claim of any nature by any person shall be binding upon seller or modify the terms of the above warranty and disclaimer. In no event shall seller be liable for special, incidental, consequential, or other damages resulting from the possession or use of this product, including without limitation damage to property and, to the extent permitted by law, personal injury, even if seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.

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