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Switch It™ Wireless Wall Switch, Model SWS

**READ OWNERS INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.
THESE INSTRUCTIONS MUST REMAIN WITH EQUIPMENT. DO NOT DESTROY.**

DESCRIPTION

Tjernlund's Switch It™ Wireless Controls simplify retrofit and hard-to-reach installations by allowing you to remotely control a device's operation up to 80 feet away. No need to tear into walls or run surface wiring to put the wall switch in the desired location. Use the SWS for simple manual operation of the device.

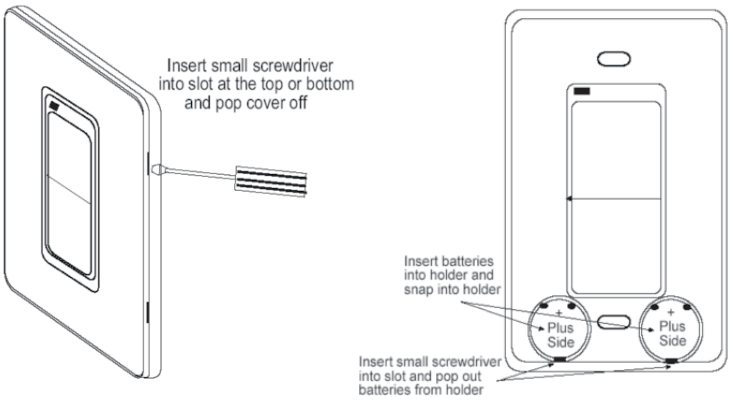
The system operates on radio frequencies (RF) using non-directional signals. The system operates one of 1,048,576 security codes that are programmed into the transmitter at the factory; the remote receiver's code must be matched to that of the transmitter prior to initial use.

GENERAL INFORMATION

The wall transmitter operates on a (2) 3-volt button cell batteries (included). Before using the wall transmitter, install the (2) 3-volt button cell batteries. Follow instructions below.The wall transmitter has an ON/OFF rocker switch. When the rocker switch on the wall transmitter is pressed, a signal light on the wall transmitter illuminates briefly to verify that a signal has been sent. If the signal light does not illuminate it could be the batteries. Be sure the batteries are installed with the (+) and (-) ends facing the correct direction, and are fully charged.

INSTALLATION

TO INSTALL BATTERIES IN THE WIRELESS SWITCH



1. Remove the faceplate from the base by inserting a small screwdriver into the small slot on the side of the faceplate (shown on left) then popping it off.
2. To take the batteries out, insert a small screwdriver into the slot at the button cell battery (shown on right) and pop the batteries out.
3. Place the button cell batteries into the battery holders, inserting the top edge under the metal clips and snap into place. Make sure that the batteries are installed with the (+) plus side facing up.
4. After the batteries are installed replace the faceplate on the base.

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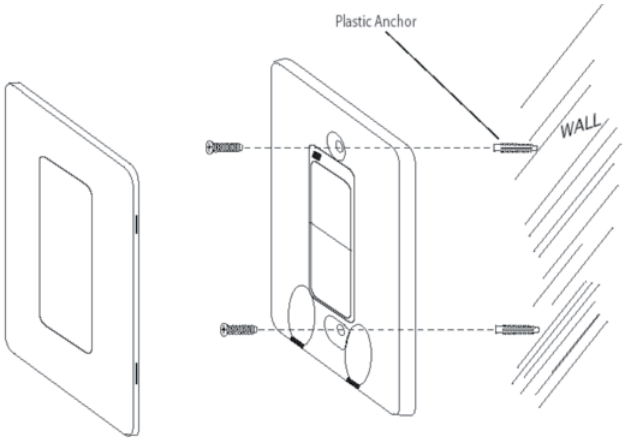
WALL MOUNTING THE SWITCH

1. Remove faceplate from the base by inserting a small screwdriver into the small slot at the top or bottom of the faceplate then popping it off.
2. Locate the (2) two mounting holes and mark the holes on the wall.
3. Use the (2) two dry wall anchors and screws (supplied) to mount the base plate to the wall as shown.
4. Then snap the faceplate back on to the wall-mounted transmitter.
5. The wall transmitter can also be mounted onto an existing (not metal) electricalbox.



OPERATION

When connected to standard 110-120 VAC power, the receiver operates on commands from the wall switch.

ON: will manually turn on the appliance.

REMOTE: will allow use of the switch. If the system does not respond to the switch on initial use, check the battery positions in the switch. If that does not work, see the SECURITY CODE section.

OFF : will disable the receiver.

It is suggested that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time. The receiver is manufactured with a “dry contact” relay in its circuitry that operates like an on/off switch. However, no power or current passes from the 110-120 VAC input side to the wires leading from the output side of the receiver.

TROUBLESHOOTING

If you encounter problems with your system, the problem may be with either the fan itself or with the remote. Review the manufacturer’s operation manual to make sure all connections are properly made. Then check the operation of the remote inthe following manner:

1. Make sure all batteries are correctly installed in the transmitter. Also check that the batteries are fully charged.
2. Check batteries in transmitter to make sure contacts are touching (+) and (-) ends of battery. Bend metal contacts in for tighter fit.
3. Be sure receiver and transmitter is within 20 to 25-foot operating range.
4. Keep receiver from temperatures exceeding 130 degrees F. Battery life will be shortened if exposed to high temperatures.
5. Make sure the transmitter and remote receiver are communicating properly.
6. Make sure the receiver is set to Remote on the slide adjustment and not On or Off.

WIRING

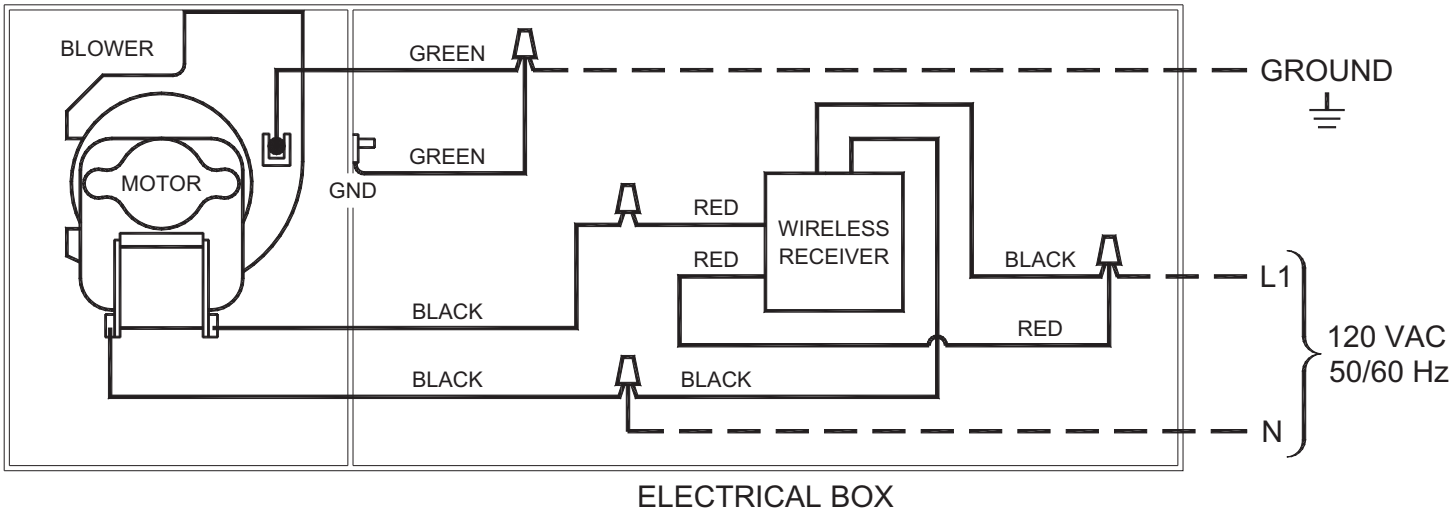
Before installation, make sure you turn the slide switch to OFF. After installation, make sure you turn the slide switch to REMOTE.

Use the wires attached to the receiver to connect to the fan. Be sure that the connectors do not touch each other or other bare metal surfaces; this will cause the appliance to turn on. The connectors may be wrapped with electrical tape to prevent this.

Protection from extreme heat is very important. The remote receiver should be kept away from temperatures exceeding 130ºF. Extreme heat can cause damage, which is not covered under warranty.

FOR TJERNLUND AIRESHARE ROOM-TO-ROOM AND LEVEL-TO-LEVEL FANS
Locate receiver in electrical box of the transfer fan which is located to the side of the blower. Connect wires as show below based on the model of AireShare Transfer Fan you are wiring. Once wired, tuck receiver inside the electrical box with wires and attach electrical box cover. See fan instructions for installation of the blower assembly itself.

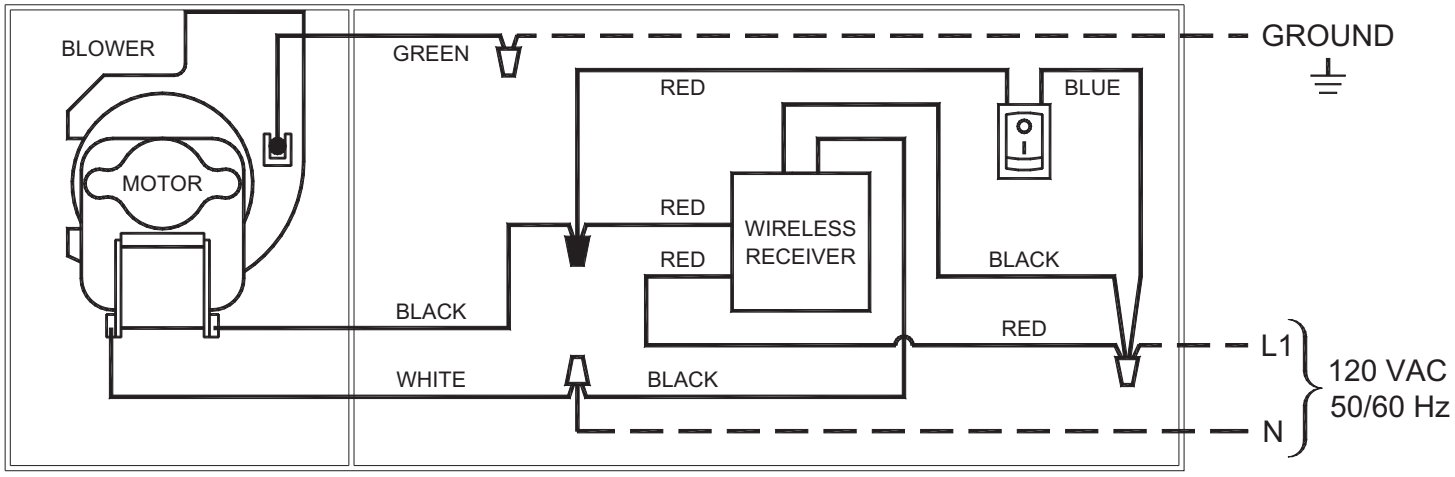
AIRESHARE™ MODEL AS1 WIRING CONNECTIONS



= WIRE NUTS SUPPLIED BY OTHERS

= WIRING SUPPLIED BY OTHERS

AIRESHARE™ MODEL ASLL WIRING CONNECTIONS



= WIRE NUTS SUPPLIED BY OTHERS

= FACTORY WIRE NUT CONNECTION

= WIRING SUPPLIED BY OTHERS

FOR GENERAL DEVICE INSTALLATIONS

SWITCH IT™ WIRELESS RECEIVER WIRING, 3 AMP MAX LOAD @ 120 VAC

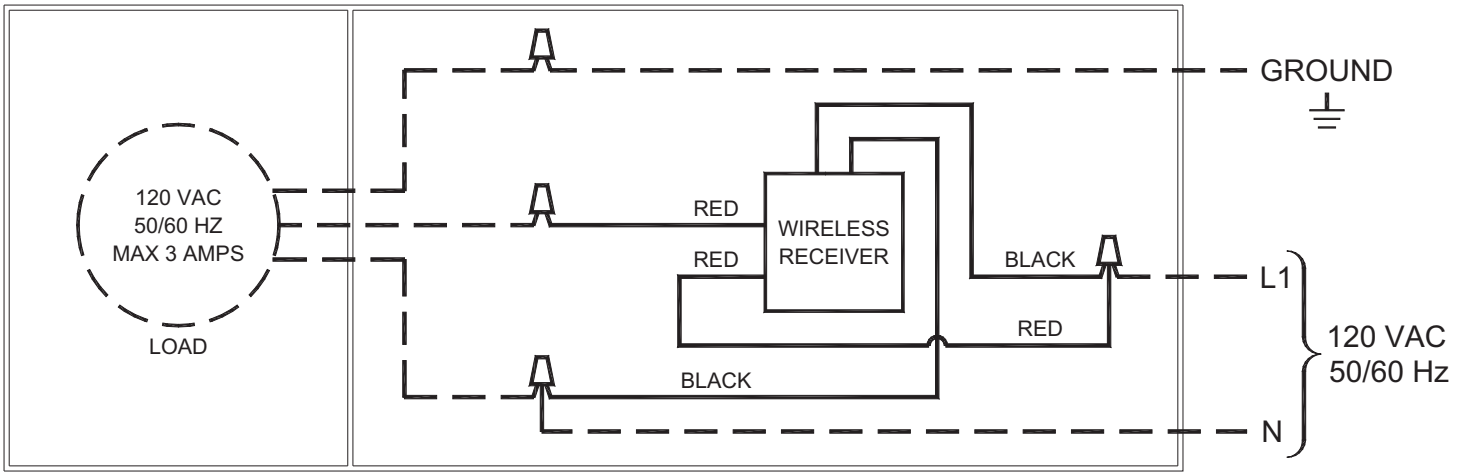


FIGURE 8050048 6/21/12

ELECTRICAL BOX

= WIRE NUTS SUPPLIED BY OTHERS

= WIRING AND LOAD SUPPLIED BY OTHERS

LEARNING TRANSMITTER TO RECEIVER

Each transmitter uses a unique security code. It will be necessary to press the LEARN button on the receiver to accept the transmitter security code upon initial use, if batteries are replaced, or if a replacement transmitter is purchased from your dealer or the factory. In order for the receiver to accept the transmitter security code, be sure the slide button on the receiver is in the REMOTE position; the receiver will not LEARN if the slide switch is in the ON or OFF position. The LEARN button in located on the front face of the receiver; inside the small hole labeled LEARN. Using a small screwdriver or end of a paperclip gently press and release the black LEARN button inside the hole. When you release the LEARN button the receiver will emit an audible “beep”. After the receiver emits the beep press the transmitter ON button and release. The receiver will emit several beeps indicating that the transmitter’s code has been accepted into the receiver.

The microprocessor that controls the security code matching procedure is controlled by a timing function. If you are unsuccessful in matching the security code on the first attempt, wait 1-2 minutes before trying again – this delay allows the microprocessor to reset its timer circuitry – and try up to two or three more times.

BATTERY LIFE

Life expectancy of alkaline batteries in the switch should be at least 12 months. Check and replace all batteries annually. When the the unit no longer operates or the receiver does not function at all, the batteries should be checked.

FCC REQUIREMENTS

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER’S AUTHORITY TO OPERATE THE EQUIPMENT.

TJERNLUND LIMITED 1 YEAR WARRANTY

Tjernlund Products, Inc. warrants to the original purchaser of this product that the product will be free from defects due to faulty material or workmanship for a period of (1) year from the date of original purchase or delivery to the original purchaser, whichever is earlier. Remedies under this warranty are limited to repairing or replacing, at our option, any product which shall, within the above stated warranty period, be returned to Tjernlund Products, Inc. at the address listed below, postage prepaid. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF, AND TJERNLUND PRODUCTS, INC. EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THIS PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND NO AGENT IS AUTHORIZED TO ASSUME FOR US ANY LIABILITY ADDITIONAL TO THOSE SET FORTH IN THIS LIMITED WARRANTY. IMPLIED WARRANTIES ARE LIMITED TO THE STATED DURATION OF THIS LIMITED WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so that limitation may not apply to you. In addition, some states do not allow the exclusion or limitation of incidental or consequential damages, so that above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. Send all inquiries regarding warranty work to Tjernlund Products, Inc. 1601 9th Street, White Bear Lake, MN 55110-6794. Phone (651) 426-2993 • (800) 255-4208 • Fax (651) 426-9547 • Email fanmail@tjfans.com.