

## HS-FC200+ Z-Wave Plus Fan Controller

### OVERVIEW

HS-FC200+ is a Z-Wave controllable wired fan controller for use with 3-speed or 4-speed ceiling fans. See [HomeSeer.com/lighting](https://HomeSeer.com/lighting) for a complete list of features and applications.

### WARNING RISK OF FIRE | RISK OF ELECTRICAL SHOCK | RISK OF BURNS

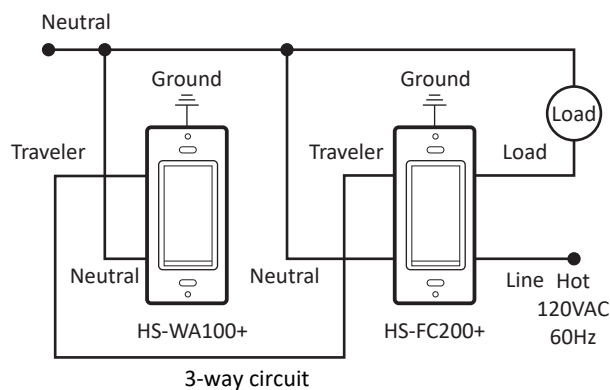
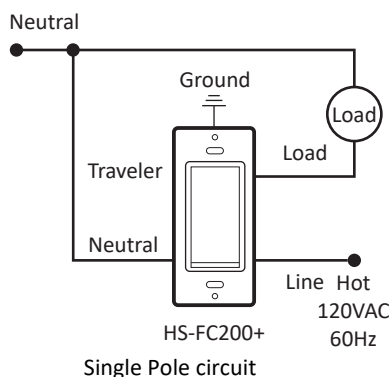
DO NOT USE THIS SWITCH TO CONTROL ANYTHING THAT MAY PRESENT A HAZARD WHEN CONTROLLED REMOTELY OR USED IN AN UNATTENDED FASHION. DO NOT USE WITH MEDICAL AND LIFE SUPPORT INSTRUMENTS.

### INSTALLATION

**Tools required:** medium standard and Phillips head screwdrivers, wire strippers/cutters

- 1 Be sure to set your existing ceiling fan to the highest speed before you turn off the power to the circuit.
- 2 Shut off power to the circuit at the circuit breaker or fuse box. **VERIFY power is OFF before continuing!**
- 3 Remove existing fan controller wall plate and mounting screws. Carefully remove the existing fan controller from the electrical box but leave the wires connected.
- 4 There may be up to five wires connected to the existing fan controller. Make note of these wires and label, if necessary, to ensure correct installation of HS-FC200+. You will need to match these wires with the corresponding screw terminals on HS-FC200+. **Note: LINE, NEUTRAL and LOAD wires are required for every installation**
  - LINE (Hot) - Black (connected to power)
  - NEUTRAL - White (this wire is often tied to other neutral wires and may require a jumper to connect with HS-FC200+)
  - LOAD - Black (connected to load)
  - GROUND — Green or Bare
  - TRAVELER — Red/Other (only used in 3-way circuits)
- 5 Disconnect the wires from the existing fan controller and attach those wires to HS-FC200+ using the screw terminal connectors on the back with the following procedure:
  - 1 Strip 16 mm (5/8") insulation from each wire\*.
  - 2 With a screw driver, loosen each screw terminal by rotating the screw counter-clockwise a few turns until resistance is felt.
  - 3 There are two holes on the back of the fan controller near each screw terminal. Insert the stripped wire into one of these holes and tighten the screw terminal to secure the connection. Connections should be snug.

\*all wires should be 14 AWG or larger rated at 80°C or higher, tightening torque should be 12 lbf-in (14kgf-cm), use copper wire only.
- 6 Carefully install the wired fan controller back into the electrical box and reattach the trim plate.



### COMPATIBILITY

Your new HomeSeer fan controller is designed to work with 3 or 4 speed AC powered ceiling fans that do not have a light with the fan or installations where you have a separate wall switch for the fan and the light. In the event that you have a light with the fan in the same circuit/switch, the light will dim or turn off whenever you set the fan at lower speed than the highest position. HS-FC200+ is a Z-Wave Plus certified and is ready to be used with a variety of home automation controllers. The special features of HS-FC200+ are supported using a number of different Z-Wave technologies. HomeSeer systems are designed to support these technologies and will provide the most seamless operation of these features. However, other systems may also provide satisfactory results depending on the level of support they provide for these same technologies. If you're using a non-HomeSeer system, be sure to check our support page (<https://homeseer.com/support-home/>) for further details.

## Z-WAVE INCLUSION/ EXCLUSION

Inclusion/Exclusion: Add or remove the device into your network by a Z-Wave certified controller. HS-FC200+ supports the latest S2 security and SmartStart offered by Z-Wave certified controllers. If your controller supports S2 or SmartStart, please refer to the user guide of the controller for detailed instructions on adding or removing devices to/from the network. You should be able to add HS-FC200+ into your network using the unique QR code or the DSK 5 digit pin located on the product or packaging. In addition, the device can be added or removed using the following 2-step procedure:

- 1 Put your Z-Wave controller into inclusion mode. Consult your controller manual if you're unsure how to do this.  
HomeSeer users: press "Add Device" on your Z-Tool+ mobile app
- 2 Tap the paddle of your new HomeSeer fan controller to begin the inclusion process. This will take a few moments to complete.  
HomeSeer users: Be sure to name the fan controller and assign it to a location using Z-Tool+ when inclusion is done

**MANUAL RESET** - To be used only in the event that the network primary controller is lost or otherwise inoperable.

**(1)** Turn the fan controller on by tapping the top paddle once. **(2)** Quickly tap top of the paddle 3 times. **(3)** Quickly tap the bottom paddle 3 times. **(4)** If the LED turns off and then on again, the fan controller is reset. If not, repeat manual reset.

**ASSOCIATION** - This product supports association group #1 for lifeline communication. Refer to your controller manual for instructions on setting the lifeline association.

## OPERATION

Your new HomeSeer fan controller may be operated locally (manually) or remotely using a Z-Wave compatible controller or home automation system.

### Local Control:

- Press (tap) the top paddle to power the fan.
- Press (tap) the bottom paddle to cut power to the fan.
- Press & hold or press & tap the top or bottom paddle to increase or decrease fan speed. The LED indicators will light to represent fan speed level.

### Remote Control:

- On / Off / Dim control is available remotely. Consult your controller manual for details.  
HomeSeer users: This fan controller creates 3 devices; a root device, central scene device and control device. The root device may be used to manage Z-Wave settings. The central scene device may be used as a trigger for events. The control device will send on / off / dim commands.

## ADVANCED FEATURES

Your new HomeSeer fan controller includes advanced features that may be accessed with HomeSeer (and other) systems, be sure to check our support page (<https://homeseer.com/support-home/>) for detailed information regarding features and integrations with other smart hubs and controllers.

**S2 Security / SmartStart:** S2 security is an advanced encryption technology. SmartStart is a pre-provisioning technology that provides easier inclusion with compatible controllers\*. The DSK can be found on the front metal yoke of the device.

\*Check our support page (<https://homeseer.com/support-home/>) for a list of compatible controllers.

## SPECIFICATIONS

<b>Power</b>	Requirements	120VAC / 60 Hz
<b>Max Load</b>	Fan Motor	2.5 Amps (300 Watts)
<b>Z-Wave</b>	Frequency	908.4 / 916 MHz
	Range	132 ft. (open air)
<b>Certifications</b>	UL (US, Canada), FCC/IC, Z-Wave Plus	

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

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 for help

### IC statements:

This device complies with Part 15 of the FCC Rules and with RSS of Industry Canada. 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.

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.

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.

## WARRANTY

HomeSeer warrants to the original purchaser that this product, for the warranty period, will be free from material defects and workmanship. This warranty is subject to proper installation and operation of the product. HomeSeer's sole obligation, under this warranty, is to repair, replace or correct any defect that was present at the time of delivery. This warranty does not extend to consequential or incidental damage to other products that may be used with this product. Warranty claims must be submitted in writing directly to HomeSeer at [HomeSeer.com](https://homeseer.com). Warranty period: limited 1 year from date of purchase.

### FCC statements:

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.