OWNER'S GUIDE

SMART ATTIC FAN CONTROL

IT-AF-SMT



DO NOT THROW AWAY!

OWNER'S GUIDE CONTAINS IMPORTANT INFORMATION.

LEAVE WITH HOMEOWNER

GENERAL SAFETY INSTRUCTIONS

1. **Read Instructions** - All safety and operation instructions must be read.
2. **Retain Instructions** - The safety and operating instructions should be kept for future reference.
3. **Heed Warnings** - All warnings should be followed.
4. **Follow Instructions** - All installation and operating instructions should be followed.
5. **Water** – The QuietCool system should not be used near water. If you live in a very humid climate, be sure to cover your damper box with insulation to reduce condensation.
6. **Heat** - The QuietCool system should be situated away from heat sources.
7. **Damage Requiring Service** - Only qualified service personnel should service the QuietCool system. The user should not attempt to service the product.

CONTENTS

1. SYSTEM OVERVIEW 3
   - 1.1 Introduction 3
   - 1.2 Features 3
   - 1.3 Key Specifications 3

2. INSTALLATION 4
   - 2.1 Installing the Hub. 4
   - 2.2 Wiring the Hub. 4

3. OPERATION 7
   - 3.1 Installing the App 7
   - 3.2 Operating the App 7
   - 3.3 Frequently Asked Questions 12
   - 3.4 Fan Hub LED Indicators 13
   - 3.5 Safety 13

SMART ATTIC FAN CONTROL WARRANTY 14

INCLUDED IN THE BOX

- IT-AF-SMT Control Hub
- QuietCool Owner's Guide

FCC Regulations
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 Caution
Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

QC MANUFACTURING, INC.
26040 YNEZ ROAD
TEMECULA, CA 92591

PHONE 1-888-QUIETCOOL
WEBSITE WWW.QUIETCOOLSYSTEMS.COM

ⓘ STOP! READ ALL INSTRUCTIONS IN THIS GUIDE BEFORE INSTALLING YOUR QUIETCOOL SYSTEM

Read this guide before proceeding! The manufacturer is NOT responsible for faulty installation or product damages caused through failure to fully read this guide BEFORE attempting installation.

1. SYSTEM OVERVIEW

1.1 Introduction

Congratulations on the purchase of your new QuietCool Smart Attic Fan Control!

The QuietCool Smart Attic Fan Control is the smartest way to control your QuietCool Advanced Attic Fans!

The QuietCool Smart Attic Fan Control allows users to control their attic fan, activate smart mode, and adjust the settings of their attic fan from our innovative phone app.

1.2 Features

- Smart Mode with temperature and humidity settings to keep your attic at the optimum temperature and humiidity level
- Set countdown time for your QuietCool attic fan (up to 12 hours)
- Adjust speed setting for your QuietCool attic fan
- See your attic temperature and humidity levels

1.3 Key Specifications



IT-AF-SMT Hub:

Voltage: 120V

Frequency: 60Hz

Max Amperage: 5 Amps

UL Rated Operating Temp 14°F - 149°F

The listing of this product allows it to be installed in confined spaces with temperatures that exceed 120 degrees.

2. INSTALLATION

2.1 Installing the Hub

Installation Video:
Watch the video by scanning the QR code or visit
www.QuietCoolSystems.com/support

IMPORTANT: If you are installing the Hub onto an existing QuietCool fan, be sure to shut off the power before attempting installation. If you are installing the Hub onto a new fan, perform all installation steps before plugging in the fan.

1. Open up the thermostat on your attic fan. Unwire the power cord and remove the plastic connector. Unwire the motor wires and remove the metal connector and flex from the thermostat.

2. Attach the metal connector and flex to one of the knockouts on the IT-AF-SMT hub. Attach the plastic power cord bushing in another knockout on the hub.

2.2 Wiring the Hub

NOTE: Wiring Diagrams are for examples only. Wiring should be done by a licensed electrician following local building and electrical codes and/or NEC guidelines. 12 or 14-gauge romex is common. Check your local building code before choosing the wire type.

NOTE: Ensure the power is disconnected before performing any wiring connections.

NOTE: The wiring diagrams and instructions are shown using the power cord included with your QuietCool. The installation can also be performed with 2-wire romex and hard wired.

Single Speed Wiring (see Figure A)

1. Using a wire nut, connect the black wire from the power cord to the black wire from the Hub.

2. Connect the white wire from the power cord and the white wire on the fan to the white wire from the Hub. Connect the black wire from the fan to the blue wire on the Hub. Cap the red wire on the Hub. Cap the yellow wire from the Hub.

3. Ground the green wire from the fan and the green wire from the power cord to the ground screw in the Hub.

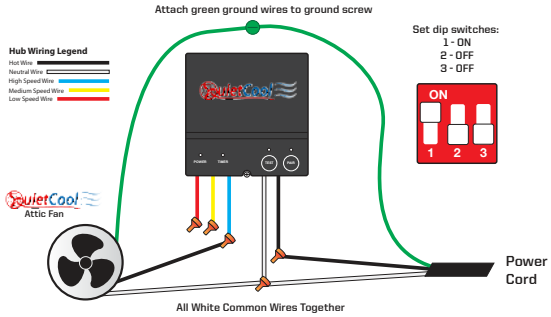
4. Set the dip switch positions inside the Hub as shown in the diagram.

5. Power-on the Hub. The Power LED indicator will be lit.

6. Press the Test button to make sure the fan works. The Test LED indicator will blink once every two seconds indicating 1-speed and the fan will be on. Press the Test button again and the fan should shut off and the LED will be off.

7. If the fan doesn't operate as described in step 6, please check the dip switch postion.

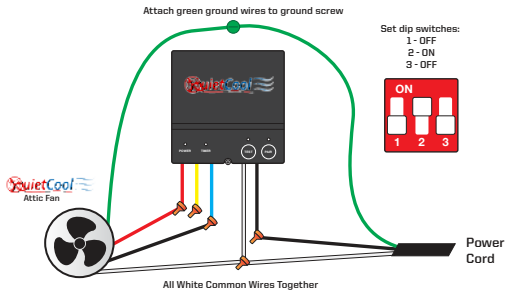
Figure A



Two Speed Wiring (see Figure B)

1. Using a wire nut, connect the black wire from the power cord to the black wire from the Hub.
2. Connect the white wire from the power cord and the white wire on the fan to the white wire from the Hub. Connect the black wire from the fan to the blue wire on the Hub. Connect the red wire from the fan to the red wire on the Hub. Cap the yellow wire from the Hub.
3. Ground the green wire from the fan and the green wire from the power cord to the ground screw in the Hub.
4. Set the dip switch positions inside the Hub as shown in the Figure B.
5. Power-on the Hub. The Power LED indicator will be lit.
6. Press the Test button to make sure the fan works. The Test LED indicator will blink twice every two seconds indicating 2-speed and the fan will be on high. Press the Test button again and the fan will switch to low speed. Press the Test button again and the fan should shut off and the LED will be off.
7. If the fan doesn't operate as described in step 6, please check the dip switch postion.

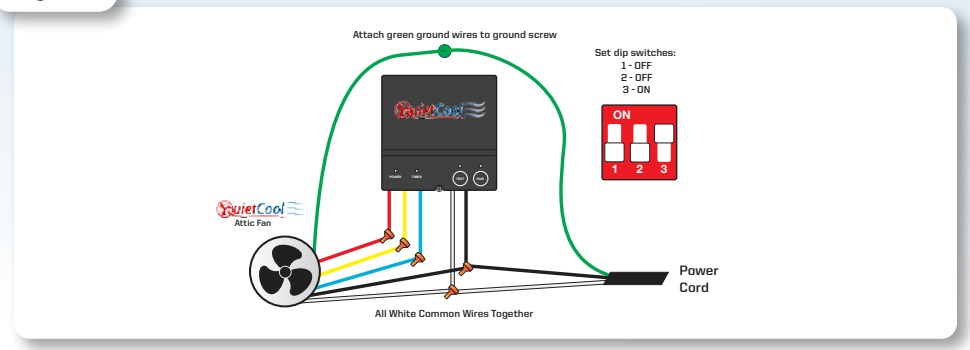
Figure B



Three Speed Wiring (see Figure C)

1. Using a wire nut, connect the black wire from the power cord and the black wire from the fan to the black wire from the Hub.
2. Connect the white wire from the power cord and the white wire on the fan to the white wire from the Hub.
3. Connect the red wire from the fan to the red wire on the Hub. Connect the yellow wire from the fan to the yellow wire on the Hub. Connect the blue wire from the fan to the blue wire on the Hub
4. Ground the green wire from the fan and the green wire from the power cord to the ground screw in the Hub.
5. Set the dip switch positions inside the Hub as shown in the diagram below.
6. Power-on the Hub. The Power LED indicator will be lit.
7. Press the Test button to make sure the fan works. The Test LED indicator will blink three times every two seconds indicating 3-speed and the fan will be on high. Press the Test button again and the fan will switch to medium speed. Press the Test button again and the fan will switch to low speed. Press the Test button again and the fan should shut off and the LED will be off.
8. If the fan doesn't operate as described in step 7, please check the dip switch. postion.

Figure C



3. OPERATION

3.1 Installing the App

Installing the app:
Download the QuietCool Smart Control App onto your iOS or Android device by scanning the QR code or visiting www.QuietCoolSystems.com/support

Download the QuietCool Smart Control App onto your iOS on Android device.

Scan the QR code above or visit our website at QuietCoolSystems.com/smart-control-support/ and click the link to download the app to your device.

Download on the App Store

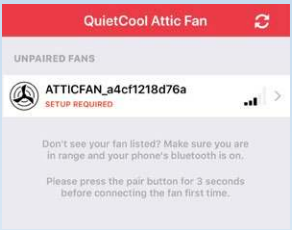
GET IT ON Google Play

3.2 Operating the App

HOME PAGE
This is the home page of the app and is presented as soon as the app is opened.

If you have not yet paired your phone to your Hub, it will state SETUP REQUIRED.

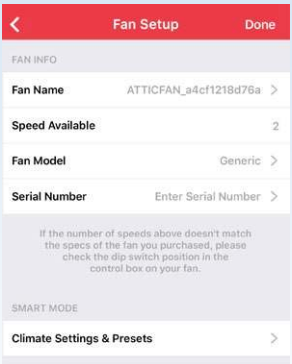
If you have paired your phone to your Hub, it will show a picture of the fan as well as the name of your fan.



FAN SETUP PAGE
This page is used to setup the fan for the first time.

You can quickly change the Fan Name, check if the speeds are set properly, change the Fan Model, enter the Serial Number and adjust the Climate Settings & Presets.

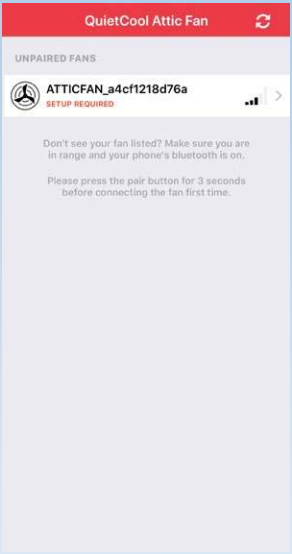
These settings can be accessed again after setup is done by clicking the Settings button on the Fan Control Page.



FAN CONTROL PAGE
This page is accessed when you tap on your fan from the Home Page.

On this page you can see the current conditions in your attic, activate the different modes of the fan, and get to the Fan Settings page.





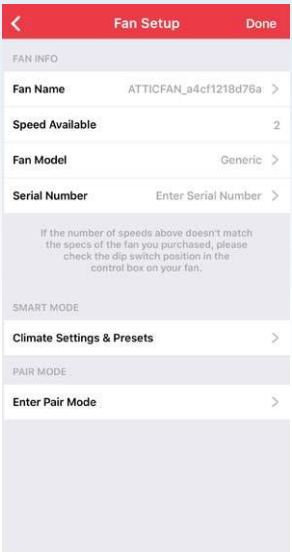
SETTING UP YOUR FAN

Once your attic fan has power, open up the QuietCool Smart Control app. You will be taken to the Home Page. You should see your attic fan show up in the list of available fans.

A message indicates that setup is required. Press and hold the Pair button on the Hub until the LED indicator begins to blink.

NOTE: You will need to initiate this Pairing process on each device you want to use to control your attic fan. Once the initial device is paired, you can use the "Enter Pair Mode" function from the app described on page 11. This will prevent you from having to access the Hub physically in the attic in order to perform pairing operations.

Tap on the fan to start the setup process. Once you tap on the fan, you will be taken to the Fan Setup page.



On this page, you will be able to change the following settings:

- Fan Name
- Fan Model
- Serial Number

The Speeds Available section will tell you if you have connected the fan and set your dip switch properly.

Make sure that this number matches the specification of the fan you purchased.

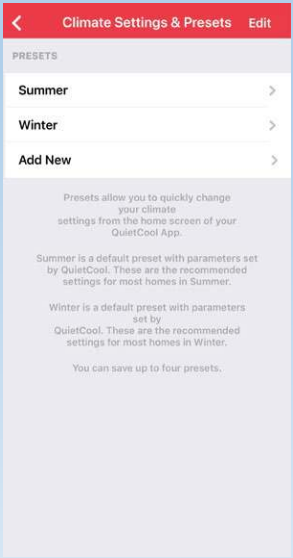
In this example, we are setting up an AFG SMT PRO-2.0 which is a 2-speed fan.

The QuietCool Smart Attic Fan Control has an innovative Smart mode that allows the fan to adjust the speed based on the temperature and humidity conditions in your attic.

Tap Climate Settings & Presets to adjust these settings.

CLIMATE SETTINGS & PRESETS

Within Smart Mode there are two standard presets, Summer and Winter. You can modify these presets and add your own custom presets to allow quick setting changes on the fly.



TEMPERATURE

- The settings you choose in this section will change what temperature the fan will come on at each set speed.

- Tap on any speed to adjust the temperature for each speed.

HUMIDITY

- **Turn Fan Off:** This is the humidity percentage that will cause the fan to turn off. For example, the factory setting is set at 90%, meaning the fan will turn off if the humidity in the attic is 90% or higher. Tap this setting if you would like to adjust the percentage. If you do not want this feature, you can select OFF at the top of the list.

- **Turn Fan On:** This is the humidity percentage that will cause the fan to turn on, regardless if the temperature settings are not met. For example, the factory setting is set at 70%, meaning the fan will turn on if the humidity in the attic is higher than 70%, even if the temperature in the attic is below the temperature settings in the app. If you do not want this feature, you can select OFF at the top of the list.

- **Desired Speed:** This is the speed the fan will use if the humidity causes the fan to turn on.



These settings will be saved into the memory of the Hub meaning all settings will sync between any additional devices you pair to the Hub.

Click Done to complete Fan Setup. You can always access these settings again from the Settings option on the Fan Control Page.







SMART MODE

Smart Mode will automatically change the speed based on the attic temperature and humidity.

To activate Smart Mode, simply tap Activate Smart Mode.

In Smart Mode, the first paramater that is checked is the Turn Fan Off humidity level. Regardless of the temperature in the attic, if the Humidity level in the attic is above the Turn Fan Off humidity setting, the fan will not turn on, or if it is already running, the fan will shut off.

If the humidity in the attic is below the Turn Fan Off humidity setting, the second paramater that is checked is the Attic Temperature. If the temperature inside the attic is within the set parameters in the app, the fan will turn on at the appropriate speed.

If the temperature in the attic is below any of the temperature paramaters, the last paramater that is checked is the Turn Fan On humidity level. If the humidity level in the attic is above the Turn Fan On humidity paramater but below the Turn Fan Off humidity paramater, the fan will turn on at the Desired Speed.

TIMER MODE

Timer Mode is a simple way to turn your attic fan on for a set amount of time at a set speed.

To activate Timer Mode, simply tap Activate Timer Mode. Once activated, you can select your speed by tapping Set Speed. You can also select your runtime by tapping Set Time.

When Timer Mode is active, you will see your remaining time left on the timer at the top of the screen.

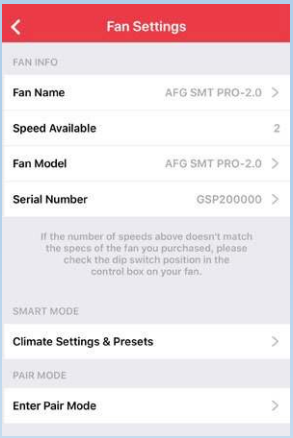
PAIR MODE

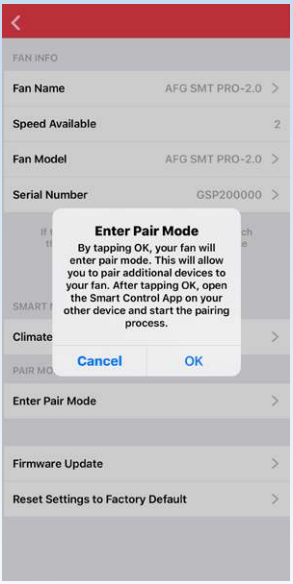
Pair Mode is a feature that was designed to prevent users from having to get into the attic to access the physical Hub in order to pair additional devices.

NOTE: In order to use this feature, you must have one device that is already paired to the Fan Hub. If you do not have any devices that are currently paired to the Fan Hub, you will have to press the physical Pair button.

In the Fan Settings page, tap Enter Pair Mode. An alert box will come up on your screen indicating you are about to enter Pair Mode. Tap OK.

Now, on the device you are trying to pair, open up the Smart Control app and tap the fan. You will now be taken to the Fan Setup page and you are now paired.





FIRMWARE UPDATE

Your attic fan includes a Firmware Update feature in order for us to update your Fan Hub to include bug fixes and additional features in the future.

We recommend checking for a new firmware update a few times per year.

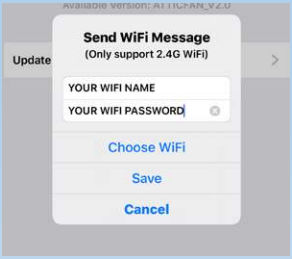
To check for an available firmware update, go into the Fan Settings page and tap Firmware Update.

If there is no update available, an alert will popup indicating there is no available firmware update. At the top of the page you will see your current device version as well as what the available version is.

If there is an update available, you will be able to tap the Update button. Once you tap Update, an alert will popup asking you to type in your Wi-Fi details.



(Firmware Update continued on pg. 12)





You cannot initiate a firmware update while your phone is on cellular so if you are not currently connected to a Wi-Fi network on your phone, tap Choose Wi-Fi. This will take you to your phone settings. Connect to your home Wi-Fi network and go back to the Smart Control app.

Once back in the app, your Wi-Fi network name will be pre-filled. Type in your Wi-Fi password and tap Save. The firmware update will now begin.

Once completed, an alert will popup indicating that the download was successful and your Hub will reboot. Your Hub is now updated.

3.3 Frequently Asked Questions

What protocal does this control use?
This control operates over Bluetooth to connect to your phone.

Will my neighbor be able to control my fan if they have the same set up as me?
No. In order to connect to your Smart Attic Fan Control Hub, you must first pair your device by using the Pair button on the Hub.

What is the range?
The range restriction between your phone and the attic fan is 50 ft.

Why are all my lights solid on the hub and nothing is working?
If you're experiencing solid lights on the hub then it is an indication that your DIP switches are not in the correct position. Disconnect power, adjust your DIP switches, and the only light that should be lit is your RED power light.

How do I change the DIP switch to the correct speed of my fan?
You will need to disconnect power, make your adjustment inside the hub, and then reconnect power.

Can you connect the Attic Fan Smart Control to a smart home system like Alexa, Google Home, or Apple HomeKit?
No, in the current configuration the Smart Attic Fan Control cannot connect to a smart home system. Smart home system control is not neccesary as the fan runs on it's own and hardly ever needs manual control.

What happens if I get a new phone?
If you get a new phone, you will need to pair your new phone to the Hub. This is very easy to do if you still have your old phone, or have another phone in the home that is currently paired to the Hub. If you have another device that is paired to the Hub, follow the instructions on page 11 for Pair Mode. If you do not have any other devices in the home that are paired to the Hub, you will need to press the physical Pair button on the Hub.

3.4 Fan Hub LED Indicators



Power Indicator

- The Power LED indicator will always be lit when the Hub is connected to Power.
- If this LED is not lit, check the power source

Temp & Hum Timer Indicator

- The LED indicator will light up as shown below:
  1. Blinking: Timer Mode Active
  2. Solid: Smart Mode Active

Test Indicator

- The Test LED indicator will light up as shown below when the Test button is pressed.
  1. One Speed Fan: blink once every 2 seconds
  2. Two Speed Fan: blink three times every 2 seconds on HIGH, blink once every 2 seconds on low
  3. Three Speed Fan: blink three times every 2 seconds on HIGH, blink twice every two seconds on MEDIUM, blink once every 2 seconds on low

Bluetooth Indicator

- The indicator will blink when making pair operations. **Please see page 8 for Setting up your Fan.**
- The indicator will be lit up solid when a device is connected via Bluetooth.
- The indicator will not be lit when no pairing operations are being made or no device is connected

Notes on Operation

- If the Dip Switch is not configured correctly, all the indicators on the Hub will stay solid when the Hub is powered on. Please switch off power and re-configure the Dip Switch as shown in the wiring diagrams.

3.5 Safety

This control features an innovative fire safety shut-off that will automatically turn the fan off if it detects a temperature above 182°F in your attic. The purpose of this is to shut off in the event of a house fire to prevent the spread of flames.

QC Manufacturing Inc.
MAKERS OF THE QUIETCOOL ADVANCED WHOLE HOUSE FAN

CONTROLS LIMITED WARRANTY

This warranty is extended to the original purchaser of this model or, if this unit is purchased and requires installation by a building contractor, to the original owner of the home. No subsequent purchaser of the unit or of a home in which it is installed is entitled to any of the benefits of this warranty. The QuietCool Product that you have purchased has a limited warranty from the date of purchase against defects in workmanship and materials. Please see attached chart below for warranty details. If you believe you received a defective product, call our customer service at 1-888-QUIETCOOL. Have proof of purchase available to validate the warranty. If it's necessary to send the defective part to QC Manufacturing, Inc., freight is paid by the customer. If found to be defective following examinations, any defective part will be replaced free of charge and returned freight prepaid. This warranty does not cover any labor costs, including those required for diagnosis, field repair or replacement or removal of any allegedly defective part. The company reserves the right to require and receive proof of purchase of the date of purchase before undertaking its obligations under this warranty. The right to require and receive proof of purchase of date of purchase extends to all licensed dealers of QC Manufacturing Inc. products.

Limitations

QC Manufacturing, Inc. shall not be liable for, and this warranty does not apply to, any failure, defect or damage resulting from or connected with misuse, abuse, neglect or improper handling or staging, or installation not in strict adherence to QC Manufacturing's written instructions; unauthorized alteration to factory specs, lack of maintenance, lack of proper ventilation transportation damage, impact of foreign objects, fire, flood, earthquake, lightning, hurricane, hail, tornado or other violent storms, force majeure or other act of (g)God; or defects in failure of or damage caused by materials used as roofing base over which the product is installed or by movement, distortion, cracking or settling of walls or the foundation of the building. QC Manufacturing, Inc. reserves the right to discontinue or modify any of its products including, without limitation, color, and shall not be liable as a result of such discontinuation or modification, nor shall QC Manufacturing, Inc. be liable in the event replacement material may vary in color in comparison to the original product as a result of normal weathering.

Even if your product was not properly installed according to QC's published application instructions, this limited warranty remains in effect if your product fails to perform as a result of a manufacturing defect.

However, QC will NOT compensate you for:

1. Damage from anything other than an inherent manufacturing defect in your product, such as:
    - Improper installation of your product, faulty application, or application not in strict accordance with QC's published application instructions.
    - Improper storage or handling of your product.
2. Damage resulting from mold growth or condensation.
3. Chipping, fading, or peeling paint on your product.
4. Labor costs for removing or replacing your product except as specifically provided for above or for any other roofing or building materials.

Limited Warranty Protection

Controls

QC Manufacturing, Inc. extends this warranty coverage to the original purchaser of the following QuietCool products (see attached for applicable products) for a period of time (varies by product) provided that the product has been installed in strict accordance with QC Manufacturing, Inc.'s written installation instructions. Under this warranty, QC Manufacturing, Inc., at no charge, will repair or replace any product found to be defective during the warranty period as long as proof of purchase is submitted to QC Manufacturing, Inc. (QC Manufacturing, Inc.'s period begins when the product installation is completed). QC Manufacturing, Inc.'s maximum liability under this limited warranty will be equal to the reasonable cost to replace the defective product.

Accessories	Model Numbers	Warranty
Controls	IT-AF-SMT, IT-AF-SMT-NR, IT-30001, IT-30002, IT-30003, IT-36002-A, IT-RFHUB-01, IT-RFSWITCH-01	One (1) Year coverage applies to the models indicated.

QC Manufacturing Inc.
MAKERS OF THE QUIETCOOL ADVANCED WHOLE HOUSE FAN

CONTROLS LIMITED WARRANTY

Other Conditions

This warranty is the entire agreement between you and QC Manufacturing, Inc., and there are no other oral or written warranties, liabilities or obligations of QC Manufacturing except apart from those set forth herein. Pertinent state law shall control for what period of time subsequent to sale a consumer/homeowner may seek a remedy pursuant to the implied warranty of merchantability or fitness for a particular purpose. In no event shall QC Manufacturing, Inc. be liable for consequential or incidental damages of any kind, including any damage to the building, its contents or any persons therein, resulting from the breach of any warranty set forth herein, unless exclusion of these types of damages are specifically prohibited by state law. No field representative of QC Manufacturing, Inc. or any distributor or dealer is authorized to make any change or modifications to this warranty.

How to Start the Warranty Process

To obtain service under this warranty, first contact your dealer where you purchased the equipment. If you are unable to find or reach your dealer, contact Customer Service at QC Manufacturing, Inc. by phone, email or visiting our website at https://quietcoolsystems.com/support/return-merchandise-authorization/ to start the RMA process.

An RMA (Return Merchandise Authorization) form is required for returns to the factory to ensure your return can be processed efficiently and quickly. There is no informal dispute settling mechanism available in the event of a controversy involving this warranty

QC Manufacturing, Inc. Customer Service

26040 Ynez Rd.
Temecula, CA 92591
www.QuietCoolSystems.com
951-325-6340

Rev. 9/27/22

Rev. 9/27/22

QC Manufacturing Inc.

MAKERS OF THE QUIETCOOL ADVANCED WHOLE HOUSE FAN

1-888-QUIETCOOL | WWW.QUIETCOOLSYSTEMS.COM