



Air Control Installation Guide

IT-AC-KIT which includes (IT-AC-HUB-01) and (IT-AC-SCREEN)

Overview

This document summarizes introductions for operating hub IT-AC-HUB-01. The IT-AC-HUB-01 can remotely control the QuietCool Whole House Fans of QC Manufacturing Inc at up to 3 different speeds.

Key Specifications

IT-AC-HUB-01(Hub):

Voltage: 120V

Frequency: 60Hz

Motor load: 1HP, 735W (Max)

Warning:

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|--|--|--|
| - Disconnect power at the circuit breaker before installing or servicing | - Installation/wiring must be in accordance with national and local code regulations | - Cover all unused wires with a wire connector |
| - Use wires rated at least 105°C – copper only | - Keep the enclosure cover closed at all times when not servicing. | |

FCC Regulations:

FCC Compliance Statement

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.

Caution: changes or modifications not expressly approved by the party responsible for compliance 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.

Installation

IT-AC-HUB-01:

(Please switch off main power before wiring. The installation should be done by qualified personnel only)

The hub (with a curved bottom) should be attached to the cylindrical fan housing and is wired to the fan motor.
Remove the screw that holds down the hub cover and flip it up. Once the cover is open, a three digit dip switch is available for fan speed configuration, as shown in Fig. 1.



Fig. 1 Dip Switch for Fan Speed Configuration

- 1 speed fan: Dial 1 to "ON"; and
- 2 speed fan: Dial 2 to "ON"; and
- 3 speed fan: Dial 3 to "ON"

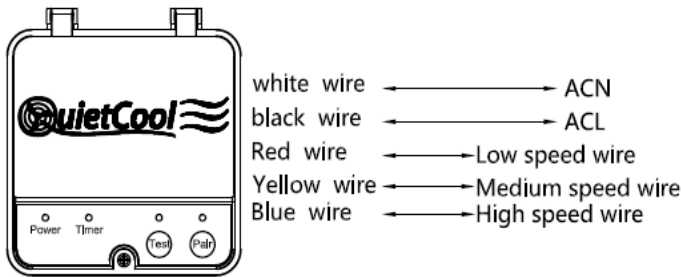


Fig. 2 Connection Wires of IT-AC-HUB-01

Input wires: Black: Line voltage, ACL White: Neutral, CAN	Output wires: Red: Low speed Yellow: Medium speed Blue: High speed
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Once wiring is completed, close the hub cover and tighten the screw.

Operation

1. Power on the Hub:

Switch on power to the hub, the Power indicator on the hub will be on, and other three indicators will stay off. Press the "Test" button to change fan speed, the fan will run in the following cycles:

- 1 speed fan: on -> off -> on -> off,
- 2 speed fan: high speed -> low speed -> off -> high speed -> low speed -> off
- 3 speed fan: high speed -> medium speed -> low speed -> off -> high speed -> medium speed -> low speed -> off

And, the Test indicator will blink as follows:

- Low speed on: the speed LED will blink once every 2 seconds,
- Medium speed on: the speed LED will blink twice every 2 seconds, and
- High speed on: the speed LED will blink three times every 2 seconds.

Notes:

- If the corresponding DIP switch of the fan is configured incorrectly, all the indicators on the hub will keep blinking when the hub is powered on. Please switch off power and re-configure the DIP switch correctly. Then try again.