NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

HAVEN FCC ID : 2ANU9HAVENA	FC
HAVEN IC: 23327-HAVENA	

HAVENIAQ.COM

TZOA

HAVEN

Central Air Controller

Operational Description

PRODUCT DESCRIPTION

HAVEN Central Air Controller (CAC) is a relay device designed to control HVAC equipment to improve air quality in residential environments. It is an accessory to the HAVEN Central Air Monitor (CAM), transforming a home's forced air system into a smart home appliance. In this scenario it activates equipment when poor air quality is detected, as well as on a schedule where appropriate.

The device contains a certified third party serial to WiFi module which uses an 802.11 transceiver module to transmit data to an access point such as a consumer router.

It connects to WiFi network to receive telemetry from the CAM and updates from HAVEN. The effective data rate is low, only sending connectivity telemetry at regular intervals.

For information on how to install and operate the HAVEN CAC as a component in HVAC system please visit HAVENIAQ.com.

WIRELESS DESCRIPTION

This device contains a NINA-W101 WiFi module operating in the 2.4GHz frequency spectrum with throughput of up to 54MBps OFDM. The device contains a 3.3 dBi adhesive mount antenna with a u.FL connector terminated coaxial cable which is used to connect to the module.

Regulatory Compliance

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.

This device has been tested and found to comply with FCC and ISED requirements for RF Exposure when operated with at least 20cm separation from the antenna.

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This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

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;

2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.