

# FLOW CONTROLLER

## Quick Start Guide

WFC-02

A Flow Controller (FC) is assigned to each Coolwall™ unit. The FC communicates wirelessly with the Warmboard Comfort System to adjust fan speed based on the needs of the zone. It can also manage associated inputs and outputs.



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The Flow Controller is pre-installed and wired into the Coolwall electronics box with 110v power. Coolwall requires it's own 110v power connection. The electronics box is accessed with a tool for technicians and installers only.

- 1 Access the interior of the electronics box by removing the access panel.
- 2 Low voltage control wiring is also pre-wired inside the electronics box.
- 3 With wiring the connections complete, the power light will turn on. The FC will automatically connect to the Warmboard Comfort System.
- 4 When the thermostat calls for cooling, WCS will tell the Flow Controller to activate the fan using a 0-10v control signal.

**Declaration of Conformity**  
47 CFR § 2.1077 Compliance Information

Flow Controller  
FCC ID: 2ASM7-WFC02  
IC ID: 24839-WFC02

Responsible Party – U.S. Contact Information  
Warmboard Inc.  
100 Enterprise Way, Suite G300  
Scotts Valley, California 95066 USA  
  
warmboard.com // 800.556.0595

**FCC Statement**

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 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

The product may only be installed, mounted, configured, operated, or demounted by qualified personnel. When working with electricity, technical skills must be demonstrated under all the following circumstances: safety and health at work  
Mounting and connecting of electrical equipment  
Measurement and analysis of electrical functions and systems  
Evaluation of the safety of electrical systems and equipment

Warning: Warmboard Inc. does not assume any warranty or liability for damage caused to the product due to non-compliance with security measures or incorrect product installation.

**IC Statement**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L' émetteur/r écepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d' Innovation, Sciences et Développement économique 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 radio électrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.  
Lors de l' utilisation du produit, maintenir une distance de 20cm du corps pour assurer le respect des exigences d' exposition RF.

This radio transmitter [IC: 24839-WFC02] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio [IC: 24839-WFC02] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d' antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d' antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l' exploitation de l' émetteur.

Type of antenna used: External Antenna  
Antenna Part Number: ANT-916-OC-LG-RPS  
Manufacturer: TE Connectivity  
Maximum antenna gain: 2.2dBi(Lora)  
Impedance required by antenna: 50Ω

Type of antenna used: External Antenna  
Antenna Part Number: X9001091-W3DSMB  
Manufacturer: Kyocera  
Maximum antenna gain: 1.8dBi(WiFi 2.4G)  
Impedance required by antenna: 50Ω