

# MANIFOLD CONTROLLER

## Quick Start Guide

WMC-02

The Manifold Controller (MC) communicates with Warmsource and the actuators to control the flow of heat to each zone. Installing the MC involves little labor, but it's important to pay attention to the details. Follow these steps and refer to the complete WCS installation guide for additional information.



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Manifold Controllers require their own 110v outlet and should be fastened above a manifold. Each MC is labeled with the location where it should be installed. Review the WCS Design Documents to ensure each manifold cabinet meets the necessary specifications prior to the installation of the MC.

- 1 Remove the Manifold Controller from the box and make sure both antennae are firmly attached.
- 2 Confirm the MC is being installed into the correct location noted on the WCS Design Drawings.
- 3 Fasten the MC into the cabinet using the supplied screws. Plug the MC into the power outlet and it will connect to the Warmboard Comfort System.
- 4 If the SRC is not detected by the MC, it will open all valves and be ready to operate in Construction Mode.
- 5 Review the WCS Design Documents, then connect the Warmboard-supplied actuators to the proper color-coded ports on the side of the MC.
- 6 When a zone calls for heat, the lights on the MC will turn from green to blue, indicating that the actuator(s) for that zone are responding.

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

**Manifold Controller**  
FCC ID: 2ASM7-WMC02  
IC ID: 24839-WMC02

**Responsible Party – U.S. Contact Information**  
Warmboard Inc.  
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**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 pr ésent appareil est conforme aux CNR d' Innovation, Sciences et D éveloppement é conomique Canada applicables aux appareils radio exempts de licence. L' exploitation est autoris é e aux deux conditions suivantes :

- (1) L' appareil ne doit pas produire de brouillage;
- (2) L' appareil doit accepter tout brouillage radio é lectrique subi, m ê me 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-WMC02] 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 pr ésent é metteur radio [IC: 24839-WMC02] a é t é approuv é par Innovation, Sciences et D éveloppement é conomique Canada pour fonctionner avec les types d' antenne é num é r é s ci dessous et ayant un gain admissible maximal. Les types d' antenne non inclus dans cette liste, et dont le gain est sup é rieur au gain maximal indiqu é pour tout type figurant sur la liste, sont strictement interdits pour l' exploitation de l' é metteur.

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