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Certification Exhibit

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IC: 3540A-0003177**

**FCC Rule Part: 15.249
IC Radio Standards Specification: RSS-210**

ACS Report Number: 09-0189-15C

**Manufacturer: Wayne-Dalton Corporation
Model: WDHKC-50**

Manual



Products that speak Z-Wave
work together better.™



Room Key Controller

Model: WDHKC-50

Description

The Room Key Controller is a battery operated Generic Z-Wave controller capable of triggering one Z-wave scene with up to 230 devices. When a generic room key card is inserted in the card slot, the Z-Wave scene triggers. The controller then goes to sleep to save batteries. When the room key card is removed all devices included into the scene will trigger to the “off” state. Thermostats trigger to the “normal” mode when the card is inserted, and to the “energy save” mode when the card is removed. Heat and cool are selected automatically by a threshold. Out of the factory, the thermostat threshold is set to 72deg. F. If the ambient room temperature is cooler than the threshold, the thermostat will switch to a heating mode. If the temperature is warmer than the threshold the thermostat will switch to a cooling mode.

The Room Key Controller will send commands to devices supporting the basic command set. Light fixtures, thermostats, window coverings, etc. can be set to a particular level as long as they support the Z-Wave standard basic command set.

Package Contents

- Room Key Controller.
- Wall Bracket.
- Instruction Manual.
- Battery (123A).
- Faceplate screws (2).
- Wall Bracket screws (2).

Special Operation Modes

Thermostat Set Points

The Controller supports custom temperature settings for thermostats. There are four supported modes listed below;

Energy save cool
Energy save heat
Cool
Heat

To set the custom temperatures, simply power up the thermostat to be added to the network and set the modes at the desired temperatures. This must be done before adding the thermostat to the Room Key Controller. The Room Key Controller will grab the temperature set points from the thermostat when it is added to the network. Multiple thermostats are supported but only the temperatures from the first thermostat will be recorded. The Room Key Controller will always set all thermostats in the room to the same temperature.

This mode of operation is particularly useful when hotel guests manually change the thermostat temperature. Once the card is inserted or removed, all thresholds will go back to the originally programmed setting.

Custom Set Points Re-Programming

To set new custom set points for the Room Key Controller follow the following procedure:

1. Power down all thermostats in the room.
2. Insert the key card in the slot. Wait 15 seconds.
3. Remove key card from the slot. Wait 15 seconds.
4. Power up all thermostats in the room and set all of the thresholds manually in the thermostats.
5. Insert the key card in the slot. –Room Key Controller will grab the new thresholds and program them into non volatile memory.

Stand Alone \ Indicator Mode

The Room Key Controller can be configured to act in Stand Alone mode (factory default) where all control functions for the room are controlled by the Room Key Controller or in Indicator mode where the Controller switches from Room Controller to Key insertion\removal sensor. In this mode, the Room Key Controller sends key status information to another controller such as Hotel Manager AG. When the Room Key Controller is reset, it will automatically go to Stand Alone mode. Indicator mode can be set via the parameter command which is only accessible with a compatible Controller.

PARAMETER #	PARAMETER NAME	DEFAULT	DESCRIPTION	VALID VALUES
1	Stand Alone	1	Sets Stand Alone mode (1) or Indicator mode (0)	0-1

Installation

1. Cut a hole in the wall at the desired mounting location with the measurements listed in figure 1

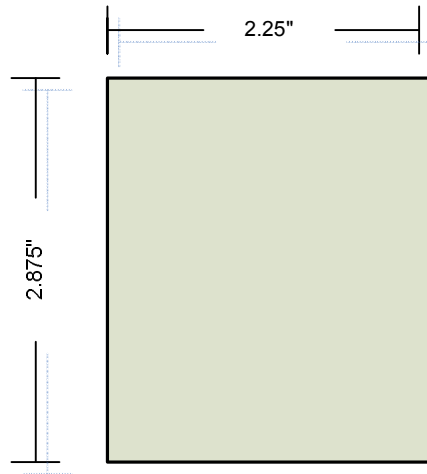


FIGURE 1

2. Use appropriate hardware to mount wall bracket aligned with the hole in the wall. Make sure the smooth side of the wall bracket is facing the wall and the rib side is facing out. Also make sure to orient the wall bracket with the faceplate nutserts facing down. See Figure 2.

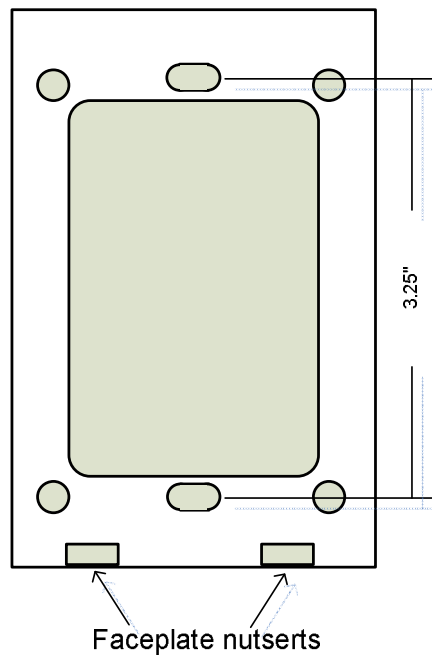


FIGURE 2

Z-Wave Setup

NOTE: The Room Key Controller supports the following Z-Wave functions.

- Add Z-Wave Node to Scene with Level and promote to primary (when adding controllers).
- Remove Node from Scene and Network.
- Factory Reset.
- Join existing network with scenes.
- Inclusion Controller.

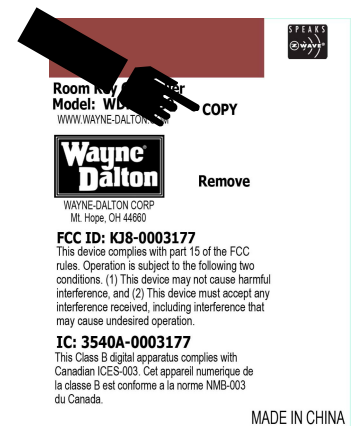
NOTE: Features not supported by Room Key Controller.

- Replicate Network out.
- Scene Command Class.

Add Z-Wave Node to Network and Scene

1. Press “COPY” button. LED will flash. Release.
2. Press the operate button on the Z-Wave node you want to add to the network. At this time you may also set the level (dimmers).
3. Release the operate button on the Z-Wave node.
4. LED will turn off indicating success.

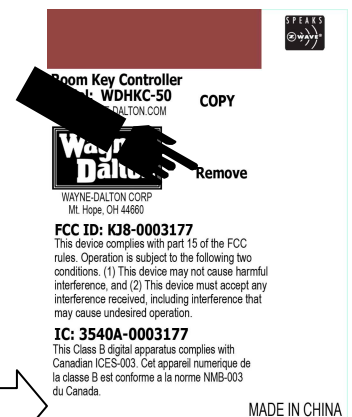
NOTE: If a controller is added to the network it will be promoted to primary.



Join Existing Network with Scenes.

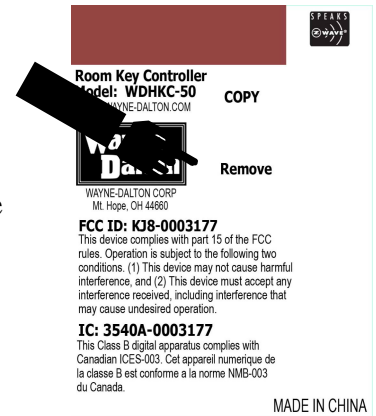
1. Place the sending (primary) remote into replication send with scenes.
2. Simultaneously, insert Room Key into Room Key Controller slot and press and hold the “REMOVE” button. LED will begin to flash.
3. Keep holding until LED lights solid for one second.
4. LED will continue blinking during replication.
5. Replication is complete when LED turns off.

NOTE: All nodes in scene 1 of sending remote will be copied into the Room Key Controller.



Remove Node from Network and Scene

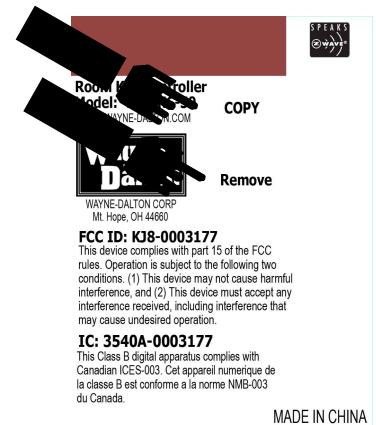
1. Press the “REMOVE” button. LED will flash. Release.
2. Press the operate button on the Z-Wave node you want to delete from the network. Release.
3. LED will turn off indicating success.



Factory Reset

1. Press and hold the “COPY” and “RESET” buttons.
2. Hold the buttons until the LED Turns on (about 5 seconds).
3. Release buttons.
4. The LED will flash 10 indicating success.

NOTE: This is a destructive function. All Z-Wave nodes in the network will have to be reset if this function is used.



Faceplate Installation

1. Place the Room Key Controller into the Wall Bracket. The Faceplate has two dimples on top which match with two top dimples on the Wall Bracket.
2. Use the two screws provided to secure the Faceplate to the Wall Bracket.

NOTE: The screws fit from the bottom of the Faceplate into the nutserts in the Wall Bracket.

Regulatory Information

US and Foreign patents pending.

Z-Wave® is a registered trademark of Zen-sys Corporation.

Wayne-Dalton® is a registered trademark of Wayne-Dalton Corporation.

FCC Regulatory Information

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 instruction, 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 and correct the interference by one or more of the following measures:

- a) reorient or relocate the receiving antenna,
- b) increase the separation between the equipment and receiver,
- c) 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.

IC Regulatory Information

This class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. 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 of the device.

Cet appareillage numérique de la classe B répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes : (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.

WARNING : Changes or modifications to this receiver not expressly approved by Wayne-Dalton Corp. could void the user's authority to operate this equipment