MULTI-CODE MC4200 Wireless Programmable Digital Keyless Entry System Instruction Manual

Installation Instructions
Wireless Programmable
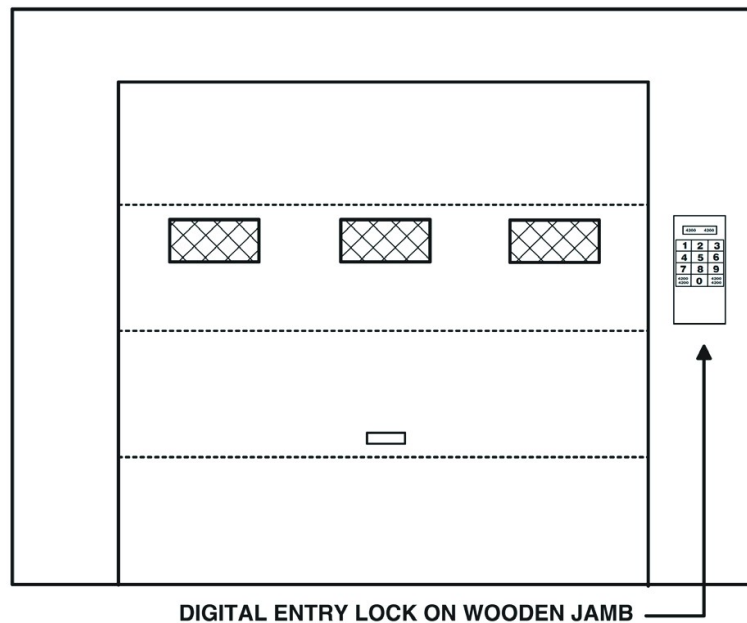**Digital Keyless Entry System**

Congratulations! You have purchased the Multi-Code Wireless Programmable Digital Keyless Entry System, which we believe to be the finest product of its type on the market. Please take a moment to review these instructions. They will be very helpful in the proper installation and operation of your new system.

PROCEED AS FOLLOWS:

Choose Mounting Location. Choose a convenient location that does not interfere with the normal operation of the door, such as on the door jamb or on the wall adjacent to the door (see Figure 1). Note that some doors will swing up, be sure that in operating your RF Programmable Keyless Entry System you will not be in the path of the door's travel.

IMPORTANT: Your keyless entry system should be mounted out of the reach of children.

Figure 1

DIGITAL ENTRY LOCK ON WOODEN JAMB

IF YOU ARE MOUNTING YOUR KEYLESS ENTRY SYSTEM TO ALUMINUM SIDING you may find it better to substitute carriage bolts for the mounting screws supplied. Bolts should be long enough to reach into the garage and be secured with lock washers and nuts. IF YOU ARE MOUNTING YOUR KEYLESS ENTRY SYSTEM ONTO BRICK, STONE, OR MORTAR, suitable anchors must be set into the mortar, and the fasteners screwed into these.

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INSTALLATION

When the mounting location has been determined, drill one 1 /8″ pilot hole one inch (1″) deep for the top screw. Insert the screw into the pilot hole, leaving the head of the screw exposed about 1 /8″ from the wall. Slide the unit over the exposed screw so that it hangs on the wall.
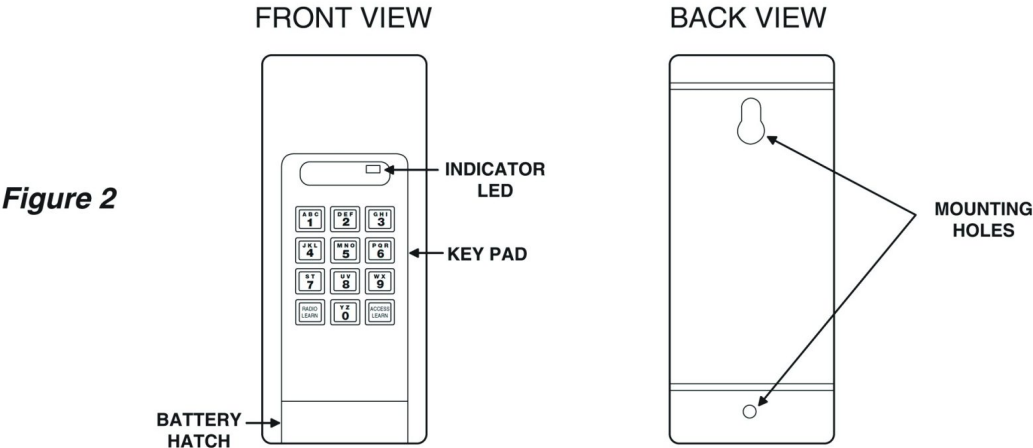
To install a second mounting screw you will need to remove the battery hatch and 9-volt battery. To remove the battery hatch insert a flathead screwdriver with a twisting motion into the slot provided on the bottom of the keypad. Remove the battery to expose the second mounting hole. Mark the location of the pilot hole and remove the keypad. Drill 1/8″ pilot hole one inch (1″) deep. Replace the keypad and insert the screw. Reinstall the battery and replace the battery cover.

PROGRAMMING

Your Keyless Entry System comes with a preset factory code (2, 4, 6, 8, 10) for the radio code and (1, 2, 3, 4) for the 4 digit access code. We urge you to reprogram the unit with your own personal codes to prevent tampering. The marking of the keypad is shown in Figure 2. The Alpha characters, numerals "0-9", the words "radio learn"

and "access learn" are printed in black on a translucent button. The 0-9 buttons are used for the radio code and access code. You may also use the Alpha characters to create your own personal keyword access code, so long as the keyword does not exceed four letters. The "radio learn" and "access learn" buttons are used for programming.

The RF Programmable Keyless Entry System has two programmable codes:

FRONT VIEW | BACK VIEW

Figure 2

INDICATOR LED

KEY PAD

MOUNTING HOLES

BATTERY HATCH

RADIO CODE PROGRAMMING

The radio code is a 10-bit digital code that is transmitted to the garage door operator. This code must be set to match the code on the 10 position switch on the garage door operator receiver. To begin programming or change the radio code press the "radio learn" key twice (The indicator LED (see Figure 2) will come on, indicating learn mode.

During the learn mode, the indicator LED will blink off with each keypress). Now enter the present four-digit access code (Note: For first-time programming, this would be the factory code 1, 2, 3, 4). Now enter the new radio code (Note: This will be the code on the garage door operator receiver. Only enter the corresponding numbers on the 10 position switch that are in the "on" (closed) position. Example: The 2, 5, 6, 7 positions on the receiver are "on". You would enter 2, 5, 6, 7 for your radio code. If the 10th position on the switch is "on" (closed), the corresponding keypress number is O). Finally, press the "radio learn" key to end the programming sequence. If the indicator LED turns off when the "radio learn" key is pressed, the new radio code has been successfully programmed (see example 1). If the access code was entered incorrectly during programming, the indicator LED will blink at a fast rate for 4 seconds when the "radio learns" key is pressed, then turn off. This indicates an error in the programming procedure and the radio code will remain unchanged (Note: During the radio learns mode, pressing the same key twice for the radio code will be accepted as one keypress. for Example 3-1-1-4 will be accepted as 3-1-4). Check to see if the new radio code matches your garage door receiver by entering the factory access code (1, 2, 3, 4) at this time. If the door opens, the correct radio code has been entered. If the door fails to open, check the code on your receiver and reprogram the radio code using the above procedure.

TO CHANGE TO RADIO CODE
(EXAMPLE 1)

RADIO	RADIO	1-2-3-4	1-3-5-6-8	RADIO
LEARN	LEARN	ACCESS CODE	NEW RADIO CODE	LEARN

ACCESS CODE PROGRAMMING

To begin programming or change the access code press the "access learn" key twice (The indicator LED will come on indicating learn mode. During the learn mode, the indicator LED will blink off with each keypress). Now enter the old access code (Note: For first-time programming, this would be the factory code 1, 2, 3, 4). Next, enter a new 4 digit access code. Finally, press the "access learn" key to end the programming sequence (see example 2). If the indicator LED turns off when the "access learns" key is pressed, the new access code has been

successfully programmed. If the old access code was entered incorrectly or more than 4 keys were entered for the new code during programming, the indicator LED will blink at a fast rate for 4 seconds when the "access learn" key is pressed, then turn off. This indicates an error in the programming procedure and the access code will remain unchanged. (NOTE: TO RESET THE RF PROGRAMMABLE KEYLESS ENTRY TO THE FACTORY RADIO CODE AND ACCESS CODE REMOVE 9 VOLT BATTERY FROM UNIT, DEPRESS ANY KEY ON THE KEYPAD, AND WAIT 10 SECONDS BEFORE INSTALLING BATTERY).

TO CHANGE TO RADIO CODE
(EXAMPLE 1)

RADIO	RADIO	1-2-3-4	1-3-5-6-8	RADIC
LEARN	LEARN	OLD ACCESS CODE	NEW ACCESS CODE	LEARI

The 4 digit access code can be any combination of the numeral 0-9, from 0000-9999.
During both programming modes, the keypad will brighten with the first keypress and will go out 25 seconds after the last keypress.

OPERATING HINTS

1. Pressing any key will cause the keypad to light up and stay on for 25 seconds from last keypress.

   Your personal access code must be completely entered within 25 seconds of the last number entered. If not, the door will not open and LED'de is will go out. If you fail to enter the entire code in the allotted time, you must re-enter the entire code. (if the correct access cos not entered within 20 keystrokes, the Programmable Keyless Entry will "lock-up" for 5 minutes. During this time all LEDs will remain off and all keypad input is ignored). This is a built-in feature to discourage unauthorized tampering.

2. Some door openers can be stopped, or reversed (depending on make and model) once the door is in motion. If your door opener allows this type of function this feature is activated by pressing any of the 12 keys a second time once your personal code has been entered. The 12 Programmable Keyless Entry buttons are active as the operator's push-button for approximately 25 seconds (The keypad LEDs will flash during these 25 seconds).

3. Over time smudges may appear on frequently used buttons. To prevent this, it is advisable to keep your keypad clean and to change your personal access code from time to time.

4. If you forget your programmed access code, disconnect the battery from keyless entry, depress any key on the keypad, and wait 30 seconds before installing the battery. The keyless entry will reset to the factory radio and access codes. You must reprogram both the radio and access codes at this time.

LOW BATTERY MODE

When the battery becomes weak, the system enters a low battery mode. During this mode, the LEDs will blink on with the first keypress and then turn off. The LEDs will remain off during the remaining code entry to indicate low battery condition. If the correct access code was entered, the keypad LEDs will start flashing and the indicator LED will remain out. The keyless entry will work approximately 20 times in the low battery mode.

BATTERY REPLACEMENT

Replacement battery – 9-volt alkaline battery.
The battery can be checked or changed by opening the battery hatch using a flathead screwdriver in the slot provided on the bottom of the keyless entry. A twisting motion of the screwdriver will open the battery hatch and

provide access to the battery compartment (Note: To avoid loss of programmed codes while changing the battery, allow keypad LED's to turn off before removing the old battery, and install the new battery within 1 minute. Do not depress any key when changing the battery. If the battery is not installed within 1 minute or a key is depressed, the Wireless Programmable Keyless Entry may reset to the factory codes. You must reprogram both radio and access codes if this happens).

FCC & IC Notice

This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt standard(s). 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 received that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003
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 to help.

WARNING: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
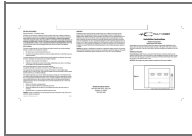
WARRANTY

All Nortek Security & Control garage door-related products carry an eighteen (18) month warranty against defects in workmanship or material. The warranty begins at the date of manufacture, for eighteen months. Nortek Security & Control warrantee's our product only to our authorized dealers and distributors, and not to the end customer. If you have questions about our warranty, please ask your dealer to determine the nature and scope of his warranty. Nortek Security & Control does not assume, and is not responsible for, any real or consequential damages for claims against the performance of our product, nor is it liable for any costs related to loss of life, property, or revenue. Further, Nortek Security & Control is in no way responsible for the installation of our product and will assume no costs related to reinstallation or removal. Nortek Security & Control Warranty is in lieu of all other warranties, expressed or implied.
CAUTION: Any changes or modifications in intentional or unintentional radiators which are not expressly approved by Nortek Security & Control could void the user's authority to operate this equipment. This applies to intentional and unintentional radiators certified per part 15 of the F.C.C. rules and regulations.

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Documents / Resources

	MULTI-CODE MC4200 Wireless Programmable Digital Keyless Entry System [pdf] Instruction Manual MC4200, Wireless Programmable Digital Keyless Entry System

Manuals+,