

**EXHIBIT 5**

**User Manual**

**Sentrol Incorporated**

FCC Part 15 Application  
For  
Certification  
(Low Power Transmitter)

**Three Button Wireless Key Fob Transmitters  
Models: 4003**

**FCC ID: A794003**

### User Manual

Attached is a preliminary copy of the Instruction Manual. The following information will be included in the next revision of the manual:

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.

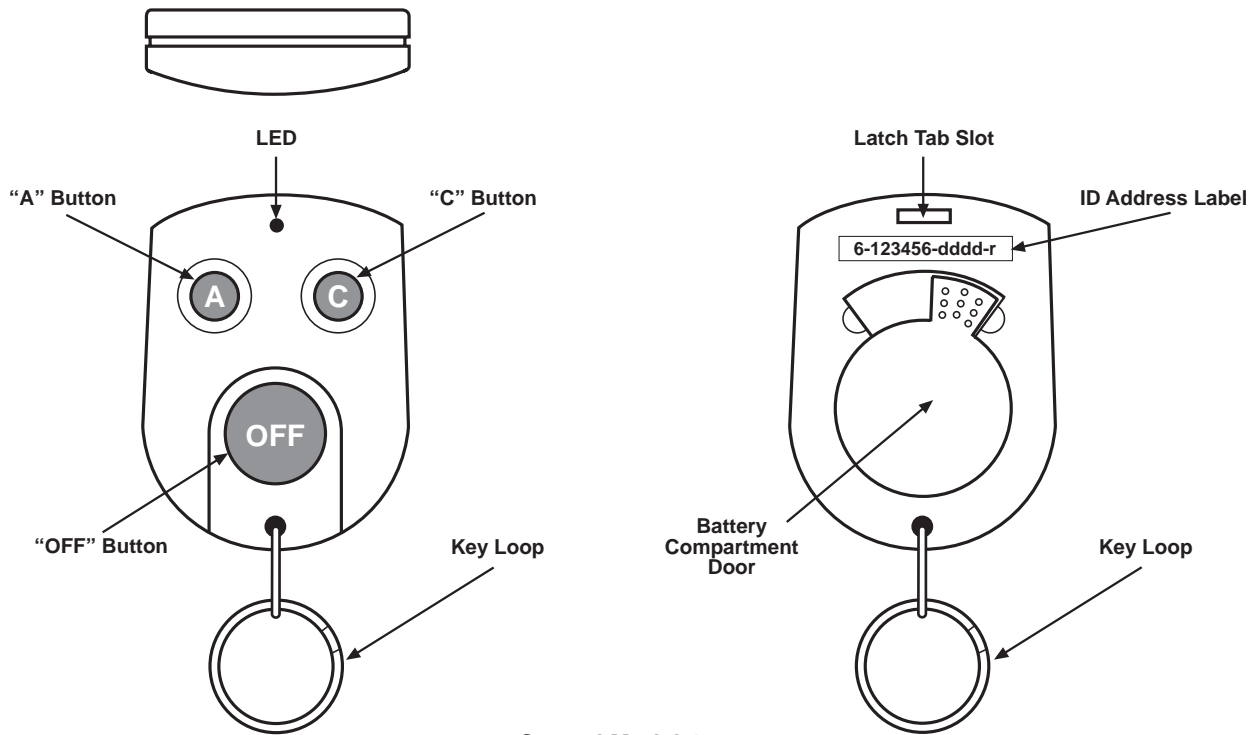
Changes or modifications not expressly approved by Sentrol, Inc. could void the user's authority to operate the equipment.

This manual will be provided to the end-user with each unit sold/leased in the United States.

SENTROL

# Wireless

## Model 4003-Three Button Wireless Key Fob Transmitter



Sentrol Model 4003

### ITEMS YOU WILL NEED

- Series 4000 Receiver with software code Revision J or later.
- Control Panel Programming Instructions.

### GENERAL INFORMATION

The Sentrol Model 4003 Three Button Wireless Key Fob Transmitter is designed to be used with Sentrol's 4000 Wireless System having a receiver with Revision J or later software. It is designed as a portable, unsupervised transmitter. It is intended to function in applications where the user will be within the Installer Verified operating range of the overall system.

The 4003 Key Fob Transmitter uses an encrypted "anti-cloning" code. This "anti-cloning" code will prevent a person from remotely capturing transmissions and then later using them to control or tamper with the system.

The Model 4003 is programmed into an RF Gateway Receiver as an RF User Device, not as an RF Point. Therefore, it does not take up a zone on the panel. This device acts like a user passcode from a keypad. Thus, it can be restricted like other user passcodes with an "Authority Level" and "Areas of Operation" as described in the Control Programming Instructions.

The 4003 Key Fob Transmitter has three buttons labeled "A", "C" and "OFF". The "OFF" button always performs the disarm function. The "A" and "C" buttons can be programmed to function as Arming, Panic, Aux/Medical and other ancillary functions. This programming is done by selecting a "Key Function Option" for the device when programming it into an RF Gateway Receiver.

### INSTALLATION

#### ***Read this section completely before installing!***

These instructions will provide information on installation requirements and will address some installation situations to be avoided for best performance.

#### **Battery Installation**

The Model 4003 is provided with a 3-volt CR2032 Lithium battery. To install the battery, remove the battery door on the back of the unit by rotating the door counter-clockwise. Place the battery into the unit with the (+) positive marking of the battery facing up in the battery compartment. Replace the battery door and rotate clock-wise to close and secure the battery.

With the battery installed, press the "OFF" button two times with a pause between each button press. The LED above the button should blink with each press. The 4003 Key Fob Transmitter is now ready to be programmed into the system.

## PROGRAMMING

The 4003 Key Fob Transmitter is pre-programmed with a 6-digit ID Address. This ID Address is located on the back label and on a label on the box (example of code label 5 123456 dddd r). This 6-digit ID Address (underlined) will be needed to program this device into the RF Gateway Receiver and into the Control.

To program the 4003 Key Fob Transmitter into an RF Gateway Receiver, select a "Device Number" on the RF Gateway and program in a keypad number, a "Key Function Option Number" from the "A" and "C" Keys column in the table located in the Control's Programming Instructions, and the device's 6-digit ID Address. To program into the Control, use the last four digits of the ID Address as a user passcode.

**You will need to consult the Programming Instructions of the Control for specific instructions on programming.**

## TESTING

Since the 4003 Key Fob Transmitter is a portable device, there may be "blind" or "non operational" locations found during your tests. Normally these can be overcome if the Model 4003 is moved a short distance up, down, left or right. It should not matter how the device is held in your hand. It is an omni-directional RF transmitter and should therefore transmit equally in all directions. This testing should be performed for all keys from multiple locations to ensure proper operation and that Control response exists.

For example, if the 4003 Key Fob Transmitter is to be used as an arming/disarming device from bedside, it should be tested from that location. If it is to be used from the car to perform arming/disarming (open/close garage door), then it should be tested from within the car in the driveway and garage. If it is to be used with the PANIC function while the user is in the basement, garden or garage, then it should be tested for operation from those areas.

Once testing is complete, clearly identify to the user any range or transmission limits found during testing. Review with the user the functions of the various keys.

Instruct the user that when the LED does not blink when a button is pressed, it is an indication that the device has a

Low Battery and should be replaced as soon as practical. A Low Battery message will also be displayed at the Control keypad until the battery is replaced.

Show the user the ID Address label on the back of the unit. Explain that this ID Address label contains their user passcode (last four digits of ID Address) which they can also use manually, if needed, at the keypad. For this reason, they may want to remove the ID Address label and store it in a secure location.

## SPECIFICATIONS

**Case Dimensions:** 1.622 in W x 2.165 in H x 0.56 in D.

**Environmental:** Water Entry Resistant.

**Operating Temperature:** +32°F to 122°F (0°C to +50°C).

**Battery Type:** Duracell CR2032 3V Lithium or equivalent.

**Battery Life:** 5,000 transmissions or one year.

**Low Battery Indications:** reported to Control and identified by user. Red LED on the Model 4003 does not blink when button pressed.

**Color:** Grey.

**Transmitter Frequency:** 418MHZ, Crystal Controlled Phase Locked Loop.

**Free Air Range:** 200 feet unobstructed.

**Indoor Range:** 80 feet typical.

**Transmitter ID:** pre-programmed, approximately one million distinct codes.

**Modulation Type:** FM, FSK.

**Message Format:** encrypted FSK to prevent cloning.

**Message Types:** distinct message assigned to each of the three buttons based on selection of options.

**FCC COMPLIANCE (USA):** 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.

**FCC ID:** A794003

**INDUSTRY CANADA COMPLIANCE (Canada):** This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.



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Sentrol reserves the right to change specifications without notice.

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