

**EXHIBIT 5**

**User Manual**

**Sentrol Incorporated**

FCC Part 15 Application  
For  
Certification  
(Low Power Transmitter)

**Single and Dual Button Pendant Transmitter  
Model: 4010 and 4011**

**FCC ID: A794010**

### 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.

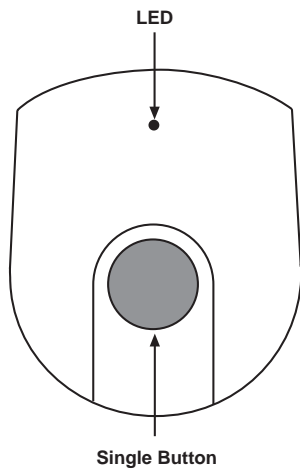
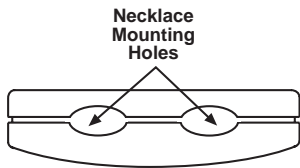
Changes or modifications not expressly approved by Sentrol, Inc. could void the user's authority to operate the equipment.

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

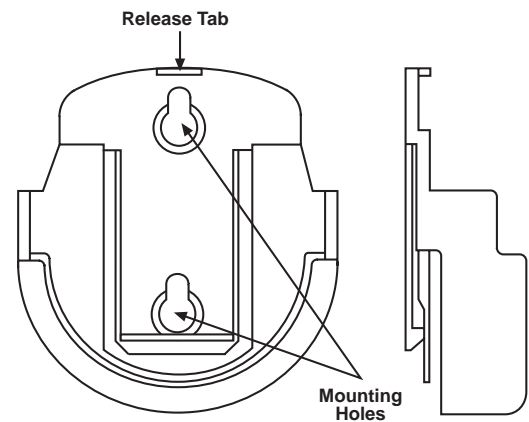
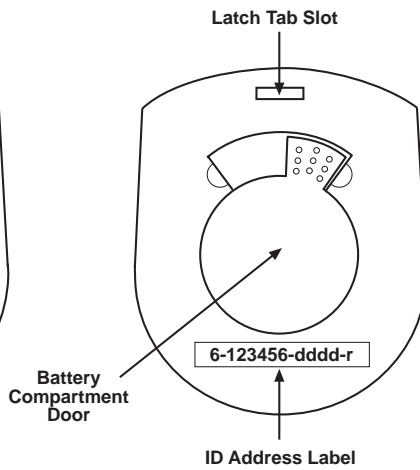
# SENTROL

# Wireless

## Model 4010-Single Button Pendant Transmitter



Sentrol Model 4010



Belt Clip

### ITEMS YOU WILL NEED

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

### GENERAL INFORMATION

The Sentrol Model 4010 Single Button Pendant Transmitter is 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 4010 is provided with a replaceable 3-volt CR2032 Lithium battery, a necklace and an optional belt clip. The Model 4010 Pendant Transmitter contains one button that must be pressed and held for a minimum of 1.5 seconds to activate.

Once the transmitter is activated, it will transmit twice (2 sets of 8 Alarm messages). The red LED will blink once as the first transmission occurs and then ten seconds later as the second transmission occurs.

Depending upon the "C" Key Function Options" selected during the programming of the compatible Controls and RF Gateway Receiver, the 4010 Pendant Transmitter can

activate a Panic/Holdup alarm, or perform similar emergency signaling functions by utilizing the "Access" output.

The Model 4010 is a single address device and is programmed as a USER and not as a POINT (zone). Therefore, you do not lose one or more points (zones) when using the Model 4010 with your system. You can also restrict the "Authority Level" and "Operation Area" of this USER code, which is described in the Control's Programming Instructions.

### 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**

To install the battery provided, 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 and hold the button for two seconds. The LED above the button should blink once and then again in approximately ten seconds. The 4010 Pendant Transmitter is now ready to be programmed into the system.

## PROGRAMMING

The 4010 Pendant 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-6-123456-dddd-r). This 6-digit ID address (underlined) will be needed to program this device into the RF Gateway Receiver and into the Control.

During the programming steps, you will be assigning the pendant to a Gateway Receiver "Device Number" and a "Key Function Option Number" from the "C" Key column in the table located in the Control's Programming Instructions. In addition, you will be programming the last four digits of the Transmitter ID address as a USER code into the Control.

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

## MOUNTING

The 4010 Pendant Transmitter has three mounting options provided.

**Necklace** - Use the necklace provided (other necklace styles can be used in place of the one provided) and slip the necklace through the channel on the top edge of the unit.

**Belt Clip** - It can be worn on the belt using the clip provided. Slide the pendant into the clip until it latches. Slide the clip onto the belt.

**Fixed Mounting** - It can be mounted in a fixed location using the clip's mounting holes and screws provided. Once the clip is mounted, slide the pendant into the clip until it latches.

## TESTING

The Pendant Transmitter is an RF device and there may be "blind" or "non operational" locations found during your tests. Normally these can be overcome if the transmitter is moved a short distance left or right.

It should not matter how the Pendant Transmitter is positioned or mounted. It is an omni-directional RF transmitter and should therefore transmit in all directions. If the transmitter is portable, this testing needs to be performed from multiple locations to ensure proper operation and that control response exists. For example, if the Pendant is to be used as a "Panic" device from bedside, it should be tested from that location. If it is to be used as a "Panic" device 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 users any range or transmission limits found during testing. Review with the User the function of the Pendant Transmitter.

Show the user the ID Address Label on the back of the unit. Explain that this ID Label is also a User Pass Code (last four digits of address) which they can also use manually, if needed, at the keypad to perform other allowed functions. For this reason they may want to remove this ID Label and store in a secure location.

Instruct the user that when the LED begins to double blink every six seconds that it is an indication that the device has a Low Battery and that it should be replaced as soon as practical. A Low Battery message will also be displayed at the control keypad until the battery is replaced.

## SPECIFICATIONS

**Case Dimensions:** 1.875 in W x 2.375 in H x .50 in D.

**Environmental:** Water Entry Resistant.

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

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

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

**False Alarm Prevention:** approximately two seconds "Press and Hold" of button required.

**Alarm Transmission Format:** 2 sets of 8 randomly spaced Alarm messages separated by a ten second interval. Red LED blinks once for each set.

**Low Battery Indications:** reported to Control and identified by User. Red LED on Pendant double blinks every six seconds when Low Battery detected.

**Color:** Cloud White.

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

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

**Indoor Range:** 80 feet typical.

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

**Modulation Type:** FM, FSK.

**Message Format:** Manchester encoded.

## 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:** A794010

## INDUSTRY CANADA COMPLIANCE (Canada)

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



SENTROL

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Sentrol reserves the right to change specifications without notice.

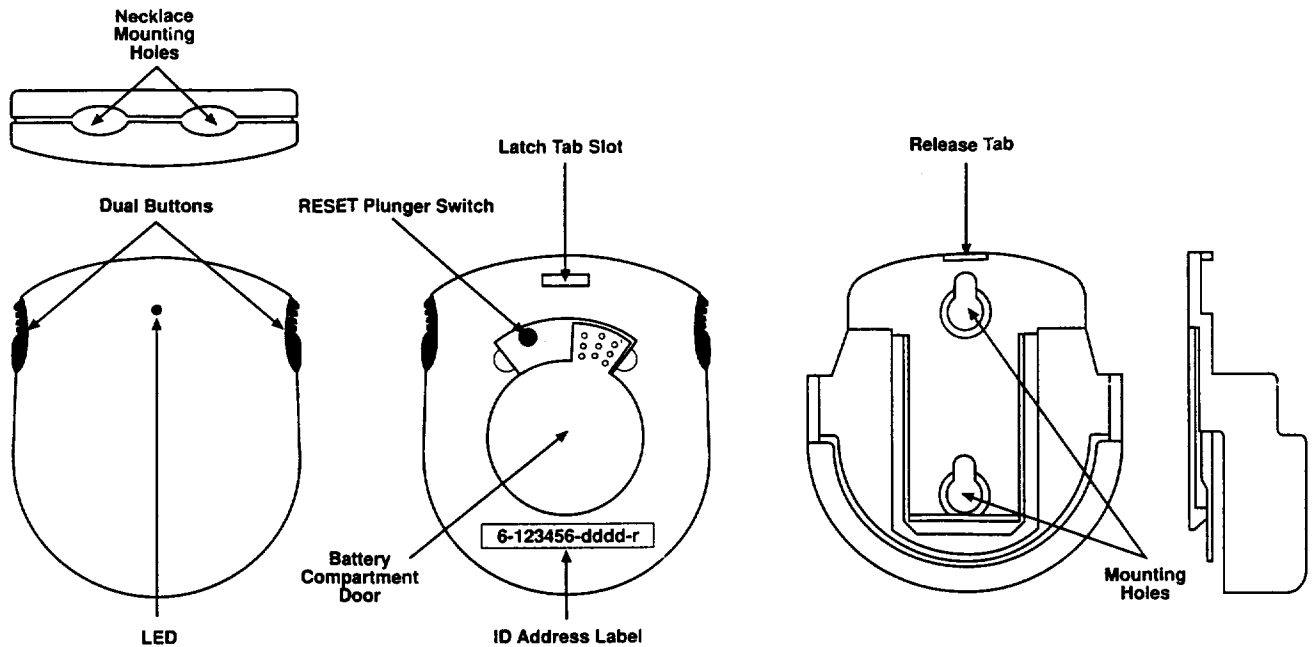
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# SENTROL

# Wireless

## Model 4011-Dual Button Pendant Transmitter



Sentrol Model 4011

Belt Clip

### ITEMS YOU WILL NEED

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

### GENERAL INFORMATION

The Sentrol Model 4011 Dual Button Pendant Transmitter is 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 4011 is provided with a replaceable 3-volt CR2032 Lithium battery, a necklace and an optional belt clip. The Model 4011 Pendant Transmitter contains two buttons that must be pressed simultaneously to activate.

Once activated, the **pendant continuously repeats the alarm** (4 alarm messages every 4 seconds) until it is reset by depressing the RESET plunger switch on the back of the unit.

Depending upon the "Key Function Options" selected during the programming of the compatible Controls and RF Gateway Receiver, the 4011 Pendant Transmitter can perform such actions as a **latching** Panic/Holdup Alarm Transmitter, or a **latching** Aux/Medical Alarm Transmitter or other similar functions where a **latching** transmitter is desired.

The Model 4011 is a single address device and is programmed as a USER and not as a POINT (zone). Therefore, you do not lose one or more points (zones) when using the Model 4011 with your system. You can also restrict the "Authority Level" and "Operation Area" of this USER code which is described in the Control's Programming Instructions.

### 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**

To install the battery provided, 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 and hold the two buttons simultaneously for approximately one second. The red LED on the front of the unit should blink once and then repeat every four seconds. To stop the pendant from transmitting, firmly press the RESET plunger with the tip of a pen or other small point item. The LED will stop blinking. The 4011 Dual Button Pendant Transmitter is now ready to be programmed into the system.

## PROGRAMMING

The 4011 Pendant 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-6-123456-dddd-r). This 6-digit ID address (underlined) will be needed to program this device into the RF Gateway Receiver and into the Control.

During the programming steps you will be assigning the pendant to a Gateway Receiver "Device Number" and a "Key Function Option Number". In addition, you will be programming the last four digits of the Transmitter ID address into the Control as a User Number.

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

## MOUNTING

The 4011 Pendant Transmitter has three mounting options provided.

**Necklace** - Use the necklace provided (other necklace styles can be used in place of the one provided) and slip the necklace through the channel on the top edge of the unit.

**Belt Clip** - It can be worn on the belt using the clip provided. Slide the pendant into the clip until it latches. Slide the clip onto the belt.

**Fixed Mounting** - It can be mounted in a fixed location using the clip's mounting holes and screws provided. Once the clip is mounted, slide the pendant into the clip until it latches.

## TESTING

The Pendant Transmitter is an RF device and there may be "blind" or "non operational" locations found during your tests. Normally these can be overcome if the transmitter is moved a short distance left or right.

It should not matter how the Pendant Transmitter is positioned or mounted. It is an omni-directional RF transmitter and should therefore transmit in all directions. If the transmitter is portable, this testing needs to be performed from multiple locations to ensure proper operation and that control response exists. For example, if the Pendant is to be used as a "Medical" device from bedside, it should be tested from that location. If it is to be used as a "Panic" device 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 function of the Pendant Transmitter.

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

Instruct the user that when the LED begins to double-blink every six seconds that it is an indication that the device has a Low Battery and that it should be replaced as soon as practical. A Low Battery message will also be displayed at the control keypad until the battery is replaced.

## SPECIFICATIONS

**Case Dimensions:** 1.875 in W x 2.375 in H x 0.50 in D.

**Environmental:** Water Entry Resistant.

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

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

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

**False Alarm Prevention:** dual button activation required.

**Alarm Transmission Format:** four randomly spaced Alarm messages transmitted every four seconds until reset.

**Low Battery Indications:** reported to Control and Identified by User. Red LED on Pendant double blinks every six seconds when Low Battery is detected.

**Color:** Cloud White.

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

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

**Indoor Range:** 80 feet typical.

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

**Modulation Type:** FM, FSK.

**Message Format:** Manchester encoded.

## 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.  
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