ADEMCO

> **5804BD**
> **BI-DIRECTIONAL WIRELESS KEY**

# INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

The 5804BD is a four-button wireless key that permits an alarm system to be controlled remotely. It is a bi-directional device, which means that it can send a command to the control, such as to arm or disarm, and can also receive status back from the control, which is indicated by two bi-color status LEDs and a piezoelectric sounder. Each button can be programmed for any zone response type by using the control's transmitter "learn" mode. Typical use is for arming, disarming, panic, and output relay operation.

The 5804BD must be used in conjunction with a 5800TM (Transmitter Module) and 5881 RF Receiver.

The unit is powered by two replaceable Lithium batteries designed to provide up to two years of life (see "To Replace the Battery" for more information).

Loop Assignments:
- Button A =>Loop 3
- Button B =>Loop 2
- Button C =>Loop 4
- Button D =>Loop 1

5804BD Front View

Belt Clip
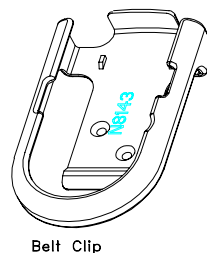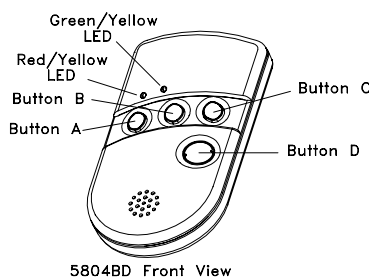
Note: Place the 5881 receiver and the 5800TM transmitter module in a high, centrally located area for best reception. The 5800TM module must be located between 1 and 2 feet from the receiver.

PROGRAMMING THE 5804BD HOUSE ID

You need to program a House ID number into the unit before you can to use it to display the system status. **The House ID number must be same as the one used in the control panel.** The House ID must be in the range of 01 to 31. The default in the 5804BD is 10.

To Enter a House ID

1. Enter House ID mode by pressing the "**A**," "**B**," and "**C**" buttons at the same time until the Red and Green LEDs alternate flashing.
2. Enter the House ID number by using the "**A**" button to enter the 10's digit and the "**B**" button to enter the 1's digit. **Note:** If the entry is out of range (greater than 31), the unit will generate a long beep and discard the entry.
3. Accept the entry by pressing the "**D**" button.
4. The unit displays the stored number by flashing the left LED for the 10's digit and flashing the right LED for the 1's digit (for example, for House ID 21, the left LED will flash twice, the right LED will flash once).
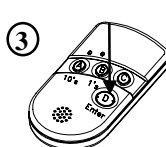5. The unit will then exit the House ID mode (a beep will be heard).

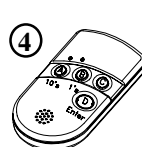**Example:** To enter House ID # 17 into the unit:
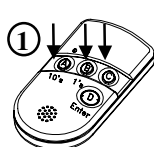
① Enter HID mode: Press A + B + C buttons until LEDs flash.
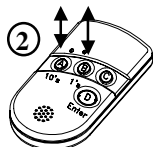
② Enter HID # 17: Press & release A button once, press & release B button 7 times.

③ To accept entry, press D button.

④ HID will be shown by flashing LEDs. Then exit HID mode.

To View the House ID

a) Enter House ID mode as described in step 1 (above).
b) Depress the "**D**" button to view.
c) The unit will display the stored number as described in step 4 (above).
d) The unit will then exit House ID mode (a beep will be heard).

Programming a House ID in the Control Panel

- On VISTA 32, 40, 50, 50P, 100, and up, use Device Programming mode to enable the RF receiver and enter the House ID number.
- On Via-30, VISTA-20, and below, go to field ∗**24** and enter the House ID number.

PROGRAMMING THE BUTTONS

Each 5804BD is assigned a unique serial number during manufacturing. Each button on the unit also has a unique "loop" number that must be programmed into the control panel during installation. Assign each button to an individual zone number and program the Input Type as "BR" --Button Type RF (entry of "**5**") in the control's Zone Programming mode. Then, input the serial number by one of the following methods:

- "Learn" the serial number of the device into the system as described in the control panel's Installation Instructions.
- Enter the serial number manually through the keypad.
- Enter the serial number using downloading software.

Be sure to include the loop number of each button during programming (see loop assignments on previous page).

Button C

If you choose **not** to use the "**C**" button, you must do the following to avoid a "Check" condition when the button is accidentally pressed:

1. Assign this button to a zone (see "Assign a Button to a Zone").
2. After the serial number has been programmed, re-enter Zone Programming for that zone.
3. At the "Zone Type" prompt, enter **00** and press [∗].
   a) On VISTA-30 controls and below, the system will ask whether you want to permanently delete that zone. Enter **0** (No). This will cause the system to retain the serial number, but render the button inactive.
   b) On VISTA-40 and above, continue to press [∗] until you see the "Enter zone No?" prompt again. At this point, Press **00** and [∗]. Then press ∗**99** to exit Program mode.

Arm/Disarm Button

If a button is assigned to a zone type 20 (Arm Stay), 21 (Arm Away), and 22 (Disarm), you must do the following:

On Vista 32, 40, 50, 50P, 100, and up

You must assign a user to the button in order for it to operate.

To assign a user number to the Arm/Disarm button:

1. Enter [4-digit User Code] + 8 + [User No.] + [4-digit new User Code].
2. Answer Yes or No to the "Open/Close Report ?" question.
3. Answer Yes to the "RF Button ?" question.
4. Enter the zone number assigned to the Arm/Disarm button.
5. Keypad shows the summary of user information on its display.
6. Test Arm/Disarm button to make sure it operates correctly.

On Via-30, Vista-20, and below

You do not have to assign a user to the button. The panel will report the zone number as the user number to the central station.

OPERATING THE BUTTONS

To Activate a Button

To activate programmed function on a button, press and hold the button down until the yellow LED flashes (2 beeps will be heard), and then release it.

To Request System Status

Because the 5804BD is a bi-directional device, users can check the system status before arming or disarming their system.

To check system status, press and release any button momentarily. The yellow LED will flash after you release the button (1 beep will be heard). After a second or two, the 5804BD will display the system status information using a combination of LED and sounder activity (see the System Status Indications Table, below). If 5804BD does not receive system status information from the panel for approximately five seconds, it will generate a long (1 second) beep and shut itself down. It will also shut itself down if there is no button activity within five seconds of receiving a status update.

WARNING!	This device may not receive the system status properly if it operates within a few feet of the 5881 RF receiver.		

SYSTEM STATUS INDICATIONS TABLE

LED	LED Condition	Sounder	System Status
Red	On Steady	2 Beeps	Armed Away or Maximum
	On Steady	3 Beeps	Armed Stay or Instant
	Flashing	Pulsing	Fire Alarm in progress
	Flashing	Steady	Armed, Burglary Alarm in progress
	Flashing	Silent	Alarm Memory
Green	On Steady	1 Beep	Disarmed, Ready to Arm
	Flashing	Silent	Disarmed, Not Ready to Arm
Yellow (right)	Flashing	Silent	Indicates RF transmission
Red & Green	Alternately Flashing	Silent	In Enter House ID Mode
Green	Flashing	Pulsing	System in Trouble
	Flashing	Silent	System Not Ready

MULTIPLE BUTTON OPERATIONS

The 5804BD can generate the same responses as keypad panic key pairs of [✳] + [#] and [✳] + [1] by depressing "A" + "C" and "B" + "D" button pairs, respectively. You must depress the button pair for at least two seconds for the 5804BD to recognize the button pair command. These button pairs allow the user to activate panic, fire, and medical alarms depending on control panel programming.
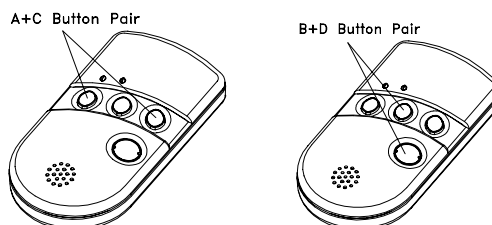
Low-Battery Indication

When the unit goes into a low battery condition, the yellow LED will not flash when a button is pressed. Change both batteries immediately.

TO INSTALL / REPLACE BATTERIES

1. Remove the screw from the case back.
2. Remove case back by using the blade of a small screwdriver to pry open.
3. Place batteries in case back locations (see diagram). Use CR2430 or DL2430 Lithium battery only.
4. Close the case by snapping case front and back together.
5. Replace the screw to secure the case.
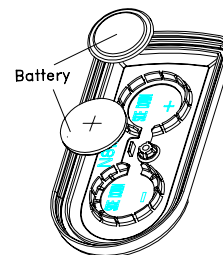
WARNING!	Improperly installing the batteries will cause damage to the batteries.		

TO REMOVE OR INSERT THE UNIT
FROM BELT CLIP
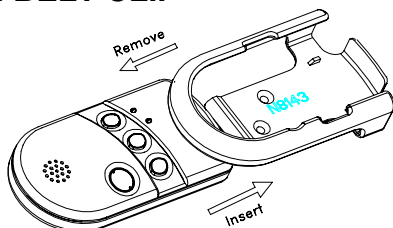
SPECIFICATIONS

Physical: Belt Clip: 4.1H x 2.2"W x 0.8"D   **Battery:**   Maxell CR2430 or Duracell DL2430
                     Transmitter: 3.9"H x 2.0"W x 0.69"D

REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL WITH WHICH THIS DEVICE IS USED FOR LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

FCC STATEMENT

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.CFS8DL5804BDMX

FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

•   If using an indoor antenna, have a quality outdoor antenna installed.

•   Reorient the receiving antenna until interference is reduced or eliminated.

•   Move the radio or television receiver away from the receiver/control.

•   Move the antenna leads away from any wire runs to the receiver/control.

•   Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook."

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment. 3 -

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