Wireless Bidirectional Alpha Keypad
INSTALLATION AND SETUP GUIDE

GENERAL INFORMATION

The 5839 is a wireless bidirectional alpha keypad that is used in conjunction with a 5883 transceiver. The 5839 should be used as an auxiliary keypad in addition to one or more wired keypads. It should not be used as the only or primary keypad.

In non-addressable systems, the number of wireless keypads that can be used is unlimited. In addressable systems, refer to the table on the next page for limitations on the number of keypads that may be addressed for each family of security systems. For the following controls, the 5839 is compatible **only** with the revisions indicated:

Control Panel	Compatible Revisions
Vista-15P	WA15P-1.3 and higher
Vista-20P	WA20P-1.4 and higher
FA148C	WA15P-1.3 and higher
FA168C	WA20P-1.4 and higher

NOTES:
- Up to eight (8) 5839s can be used on any one partition.
- Up to two (2) can be used on **each** of two partitions.
- The 5839 is **not** recommended for use on more than two (2) partitions of a multi-partition system

The keypad is compatible with most controls and performs the same user functions as a wired alpha keypad.

Activate the 5839 by pressing **any** key on its keypad, (unless powered by an external power-pack referred to in the POWER CONNECTIONS paragraph).

The keypad returns to its inactive state if no keys are pressed for 30 seconds. After activation, pressing the [✱] key displays the current status whenever desired. The 5839 **cannot** be used to program a control panel (an alpha keypad hard-wired to the control is required).

MOUNTING

The 5839 is designed to be wall mounted, mated to its mounting plate. The mounting plate secures the keypad to the wall and holds the battery in place. It is necessary to keep the mounting plate attached to the keypad at all times.

Before mounting the 5839 permanently, determine a good RF location by first conducting a Go/No GO test from the panel. Refer to the Go/No GO test mode in the Installation and Setup Guide for the panel.

Avoid mounting locations on or near large metal objects, since these can decrease the transmission range or block transmissions.

BATTERY INSTALLATION OR REPLACEMENT

Separate the keypad from its mounting plate by sliding the keypad up and **away** from the mounting plate.
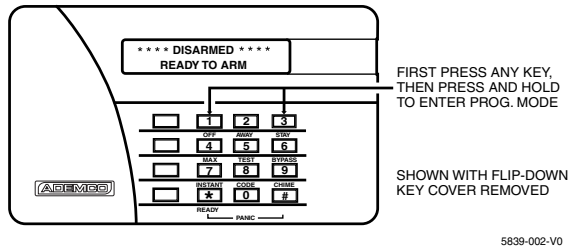
Install or replace the 9 Volt Ultralife Lithium battery (No. 465) in the battery compartment provided at the rear of the keypad. Ensure that battery female (-) and male (+) terminals are properly oriented with the battery spring clip connections.

Reattach the keypad to its mounting plate by aligning the four mounting holes in the keypad case back with the four mounting clips on the mounting plate. Lower the keypad onto the clips.

Anticipated battery life is 1.2 years.

PROGRAMMING

Before enrolling the 5839, you must first be sure that a wireless transmitter is already enrolled in a zone OR that a House ID has been programmed into the panel.

* * * * DISARMED * * * *
READY TO ARM

FIRST PRESS ANY KEY, THEN PRESS AND HOLD TO ENTER PROG. MODE

SHOWN WITH FLIP-DOWN KEY COVER REMOVED

5839-002-V0

To enroll the 5839, program special keys, and enable sounds, perform the following steps:

1. Place the control panel in Go/No-Go test mode. *All partitions must be placed in Go/No-Go test mode (Vista-32FB controls or higher) before continuing*. Wait at least 30 seconds before enrolling and programming the 5839 keypad and its associated 5883 transceiver.

NOTE: It is recommended that you enroll the 5839 **only** from its **final mounting position** to ensure proper signal strength. Performing step 1 is only necessary when **first** enrolling the 5839. To modify only the Keys or Sounds options, it is not necessary.

2. a. Enter 5839 program mode by first pressing any key to activate the keypad, if necessary.

   b. The prompt at right is displayed:

Waiting for mesg

   c. Press and hold down keys [1] and [3] at the same time for several seconds until all 2 x 16 character locations on the LCD indicate solid black rectangles. This tests all the elements of the LCD display.

3. After all display elements are tested, the Options? prompt at right appears:

5839 Rev.n.n.US
Options? ✱=Y #=N

   Where: 5839 Rev.n.n. = Keypad software revision level

   US = Indicates this keypad is intended for use in the US

   ✱ = Press to advance to next prompt.

   # = Press to exit from program mode.

4. a. The Setup? prompt at right appears after selecting "Y" from the previous prompt.

Setup?
✱ = Y   # = N

Use this option to enroll the keypad in a 5883 transceiver.

NOTE: If using **more** than one 5883 transceiver, make sure you enroll all 5839 keypads in the **same** transceiver (disconnect others from the system when enrolling). If using the transmitter function for 5800TM compatible devices, you must enroll the 5839 keypads in the transceiver for which the transmitter (TM) function is enabled.

✱ = Press to advance to next prompt.

\# = Advance to "Keys?" prompt (Step 5).

b. The prompt at right appears after selecting "Y" from the previous prompt.

> ECP Addr?
> ✱ = Y   \# = N

✱ = Display keypad address prompt

\# = Return to the "Setup?" prompt above.

When using…	Set 5839 for…	Set Panel for…
Vista 10SE/20SE Family	00	Panel converts to address 31 automatically.
Vista-15P/20P Family† (Check for compatible revisions that appear on first page.)	00	16
	01	17
	02	18
	03	19
	04	20
	05	21
	06	22
	07	23
Vista-40 and higher†	00-15	00-15 (Program the panel for the keypad at the same address.)

† The 5839 keypad must be programmed in the control as an alpha keypad with no sounder suppression. Be sure not to assign the same address to more than one device.

c. The prompt at right appears after selecting "Y" from the previous prompt.

> nn (00-15)
> ✱ =Done \# =End

Enter the 5839 keypad address (see table above).

✱ = Accept entry and enroll keypad in 5883.

\# = Return to previous display.

d. The prompt at right appears after pressing [✱] from the previous prompt.

> Waiting for mesg
> Setup? \# = end

This display remains for several seconds while the 5839 sends a setup request to the 5883 and receives a reply. In some cases it may be necessary to send additional setup requests by pressing the ✱ key.

To abort the enrollment, press [\#], which returns the system to the "ECP Addr?" prompt.

Otherwise, wait until the prompt at right is displayed.

> ID: nnnnnn
> ✱ =Done   \#=N

This display indicates the keypad has received the site ID (nnnnnn) from the transceiver (5883).

✱ = Accept site ID and return to the "Setup?" prompt

\# = Reject site ID and return to setup menu.

5. a. The prompt at right appears after selecting "N" from the "Setup?" prompt (step 4.a.).

> Keys
> ✱ =Y   \#=N

✱ = Display next prompt.

\# = Advance to "Sounds?" prompt.

b. The following prompt appears after selecting "Y" from the previous prompt.

> Send ABCD?
> ✱ = Y   \# = N

✱ = Enables ABCD keys to transmit and returns to "Keys?" prompt.

\# = Disables ABCD keys and returns to "Keys?" prompt.

6. a. The prompt at right appears after selecting "N" from the "Keys?" prompt.

> Sounds?
> ✱ = Y   \# = N

✱ = Display "Stat/Warn/Chime" prompt.

\# = Return to the initial "Options?" prompt.

b. The prompt at right appears after selecting "Y" from the previous prompt.

> Stat/Warn/Chime
> ✱ = Y   \# = N

✱ = Enables the keypad to audibly annunciate mode/status changes, warning sounds and chime activation and return to "Sounds?" prompt.

\# = Disables audible annunciations and returns to "Sounds?" prompt

EXITING FROM PROGRAMMING MODE

After all programming of the 5839 keypad is complete, it is important to exit the programming mode. To do this, press and hold down keys [1] and [3] at the same time for several seconds until all 2 x 16 character locations on the LCD indicate solid black rectangles, then release.

When the following display comes up,

> 5839 Rev.n.n.US
> Options? ✱ =Y \# =N

press the \# key. You have exited the programming mode.

The display will now show:

> Waiting for mesg

DELETING ALL ENROLLED WIRELESS KEYPADS

1. Remove power from the 5883 in the controls cabinet by removing the 4-wire connector.

2. Set DIP switch 1 to OFF and DIP switch 8 to ON.

3. Reapply power and observe that the RED LED turns ON immediately and remains ON.

4. Record the positions of DIP switches 1 through 8.

5. Set the 8 DIP switches to the **opposite** position recorded in step 4.

6. Set the 8 DIP switches **back** to the same position recorded in step 4. (All enrolled 5839s have been deleted from the 5883 transceiver.)

7. Place DIP switch 8 back to the OFF position to return to normal 5883 operation.

NOTES:

1. If you determine that the proper ECP address has not been enrolled in the receiver, perform the above deleting procedure and re-enroll all the 5839s in order to avoid erroneous "CHECK" messages.

2. When in active mode, and a change of status of the security system occurs (arming state or fault for instance), the 5839 may take up to 20 seconds to display the change. To obtain a real-time display of system status, press the [✱] key.

POWER CONNECTIONS

In a typical wireless configuration, the 5839 is powered by a 9V battery and remains in the inactive state until activated by the press of any key.

If you want the keypad to remain active at all times, providing audible and visual indications (without having to be activated by a key press), the 5839 can be powered from an external 110VAC input/9VDC output power pack. The power pack must provide 100mA and have a female output connector with a positive 9V center pin and a 0V shell. These devices are generally available from consumer electronics shops for powering various electronic appliances.

It is recommended that a 9V lithium battery be installed as a backup power source when using the 110VAC/9VDC power-pack.

5839 SPECIFICATIONS:

Physical:	7.4" W x 4.8" H x 1.46" D (188mm x 122mm x 37mm)
Frequency of Operation:	345 MHz
Battery:	9-Volt Lithium, ADEMCO 465 Ultralife, with expected life of 1.2 years.
Power Pack (optional):	110VAC input/9 Volt DC output, 100mA, ADEMCO P/N N7703
LCD Display:	Supertwist 2 lines x 16 characters each, backlit.
Sounder:	Piezoelectric

SUPERVISION:

1. Battery – With a low battery condition, a "CONSOLE LOW BATTERY" message is displayed on the 5839 display whenever the keypad is "awakened" from its inactive state.

2. The battery-powered keypad will **not** go into the inactive state until the case is closed and/or mounting plate is reattached.

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

FCC ID; CFS8DL5839US-1

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.

Industry Canada: 1748A5839US1

FEDERAL COMMUNICATIONS COMMISSION (FCC) 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 under Stock No. 004-000-00450-7 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.

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