

# CODE ALARM

**PROFESSIONAL  
SERIES**

**Owner's Guide**

**For Model:  
CA2LCD5**

***AS9234E  
RF Upgrade Kit***

**IMPORTANT NOTE:** The operation of the Security and Convenience System as described in this manual is applicable to most vehicles. However, due to the configuration of some vehicles, some functions AND/OR SAFETY PRECAUTIONS may not apply. Please see your installing dealer for more information.



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## Using Your Remote Control

### **Door Lock**

To lock the vehicle doors press and release the  button.

### **Door Unlock**

To unlock the vehicle doors press and release the  button.

### **Activating the Trunk Release Feature (Optional)**

If this feature is enabled on your system, pressing and holding the  button for 3 seconds will open the vehicle's trunk or hatch.

### **Remote Starting Your Vehicle**

To activate the remote vehicle start function, press and release the  button 2 times within 2 seconds. The vehicle will start and run the predetermined time set up during installation (5 to 60 minutes selectable).

### **Entering the Vehicle During Remote Start**

Enter the vehicle, insert your key and turn it to the run, NOT START, position, then step on the brake, the vehicle is now in control of the ignition key.

NOTE: For push to start vehicle systems, simply enter the vehicle with your key in hand, and step on the brake.

### **Using the “Quick-stop” Feature**

With vehicle running, if you wish to make a quick stop and leave the vehicle running, once you arrive at your destination:

- a) place the gear selector in Park,
- b) set the parking brake,
- c) with your foot off the brake, press the transmitter button two times in succession.

The vehicle will now be under control of the remote start system. Turn your ignition switch off, WITHOUT, stepping on the brake, and exit the vehicle. Lock the doors with the key to insure security.

### **Remote Start Shutdown:**

To cancel the remote vehicle start function, press and release the  button 2 times within 2 seconds.

### **Timed Start Program:**

The Remote Start unit has the ability to start the vehicle automatically at timed intervals. This feature is useful in extremely cold climates where starting the engine is the only means to keep the battery charged and fluids warm. The operator has the option to have the unit start every 2 or 4 hours for a maximum of 48 hours. Factory preset is to start at 4 hour intervals. To select 2 or 4 hour automatic start timer:

1. Start By Holding the Push Button Switch found on the windshield mount receiver on.
2. While Holding the Push Button Switch Turn The Ignition Switch On Then Off
- 3a) Within 10 seconds of turning the ignition switch off, Release and then Push On and release the Push Button Switch 2 times holding it on the second time until the siren and or lights flash and chirp 2 times indicating that the 2 Hour Start Interval has successfully been set.  
-OR-
- 3b) Within 10 seconds of turning the ignition switch off, (Step 2) Release and then Push On and release the Push Button Switch 4 times holding it on the fourth time until the siren and or lights flash and chirp 4 times indicating that the 4 Hour Start Interval has successfully been set.

NOTE: Once selected, 2 or 4, this timer interval will remain in memory until it is manually changed. To change, the above sequence will have to be followed.

### **Timed Start Operation:**

To begin the start timer, within 10 seconds of turning off the ignition switch, activate the RF command to start 2 times. (Press the start button four times). The lights will flash and the siren will chirp 4 times. Indicating timed interval mode has been initiated. The vehicle will automatically start every 2 or 4 hours as programmed. To cancel the timed start mode start the vehicle either by RF or by the ignition key.

### **Remote Start Override Mode (Valet Mode) - AS9234E**

The intent of the remote start override / manual shut down circuit is to allow the vehicle operator to prevent operation of the Remote Start Unit regardless of the RF transmitter operation.

Enter Remote Start Override:

1. With the system disarmed/unlocked, and the ignition switch off Press and Hold the PBLed push button switch (dash mounted).
2. Turn the ignition switch on, off, on, off, on, off.
3. The LED begins to flash two short flashes followed by one long flashes and continues this pattern until returned to normal mode of operation.

The action above puts the unit into the Remote Start Override mode or vehicle service mode and will not start from the RF transmitter or any other input.

Exit Remote Start Override:

1. With the system disarmed, Press and Hold the PBLed push button switch (dash mounted) on.
2. Turn the ignition switch on, off, on, off, on, off.
3. The LED turns off indicating that the R/S unit is fully functional one again.

### **Valet Mode: (Alarm Systems Only) Dash-Mounted Push-Button LED Valet/Override Switch:**

The Push-Button LED switch (PBLed Switch) located on vehicle's dash allows you to temporarily bypass all alarm functions, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm functions are bypassed, however the remote panic feature and remote door locks will remain operational. To use the valet mode, the system must first be disarmed either by using your keychain transmitter, or by activating your personalized manual override code.

1. Enter the vehicle, and turn the ignition key to the on position.
2. Press and hold the Push-Button switch until the LED turns on solid. The system will remain in the valet mode.
3. To return to normal operation, press and release the Push-Button switch any time the ignition is on.

NOTE: Always remember to return the vehicle to the valet off position. This will ensure that the vehicle remains protected at all times.

### **Manually Overriding Your Alarm System (Alarm Systems Only):**

Using the Dash Mounted PBLEd Push-Button Valet/Override Switch your Security System can be disarmed without the use of the keychain transmitter. This is necessary, since you will need the ability to operate your vehicle if the transmitter is lost or its battery fails. To bypass the alarm system;

1. Open the vehicle door. The alarm will sound.
2. Turn the ignition key to the on position.
3. Within 5 seconds, press and release the push-button override switch.

The alarm system will stop sounding and enter the (bypassed) mode. You can now start and operate the vehicle normally.

Typically this override mode is used only if the transmitter has become inoperative.

### **Programming Your Custom Code (Alarm Systems Only):**

Unlike override switches easily found, and defeated, this security system allows the consumer to program a personal override code, offering a higher level of security. To take advantage of this option, programmable feature # 9 must be selected for the Custom Code Option. Consult your installation center for programming details. The system comes from the factory with a preprogrammed override code of 11. To change this default override code, do the following:

1. Disarm the system by use of the transmitter, or by use of the emergency override sequence.  
Turn the ignition switch to the on position.
2. Within 10 seconds, press and release the PBLEd switch, 3 times.
3. Within 10 seconds turn the ignition switch off, on, off, on, off, on. (The siren or horn will beep and the lights will flash one time.)
4. Within 10 seconds, begin to enter your chosen 10ths digit by pressing and releasing the PBLEd switch from 1 up to 9 times.
5. Within 10 seconds of the last entered 10ths digit, turn the ignition switch off then on.
6. Within 10 seconds, begin to enter your chosen units digit by pressing and releasing the PBLEd switch from 1 up to 9 times.
7. Finish by turning the ignition switch to the off position. If the new code was accepted, the unit will report back the newly entered code, by flashing the LED, first indicating the 10ths digit, pause and then the units digit. The unit will report the new code three times with a one second pause between each code, then the system will begin arming. If the LED flash pattern reports the previously stored code, the new code was not entered correctly. Please repeat steps 1 through 7 above considering the following.

**NOTE:** Acceptable digits 10ths or units are 1 through 9. The unit will not recognize a 0 (Zero), or no digit entered in any place, units or tenths.

**NOTE:** If 15 seconds of inactivity expire, or if the ignition switch is turned off for more than 5 seconds during any of the above steps, the unit will revert back to the last successfully stored code.

### **Custom Code Programming Example:**

To Change the code from the factory preassigned code of 11 to "52" you would do the following:

1. Disarm the system by use of the transmitter, or by use of the emergency override sequence.
2. Turn the ignition switch to the on position.
3. Within 10 seconds, press and release the PBLED switch, 3 times.
4. Within 10 seconds turn the ignition switch off, on, off, on, off, on. (The siren or horn will beep and the lights will flash one time.)
5. Within 10 seconds, begin to press and release the PBLED switch to set the tenths digit. (As per the example, press and release 5 times to set the tenths digit to 5)
6. Within 10 seconds of the last press of the PBLED, turn the ignition switch off then on.
7. Within 10 seconds, begin to press and release the PBLED switch to set the units digit. (As per the example, press and release 2 times to set the units digit to 2).
8. Turn the ignition switch to the off position. Immediately observe the LED flash pattern.

You will notice the LED flashing five times, pause, and then flash two times, pause. This pattern will be repeated three times indicating the new code (52) has been accepted and stored in memory.

**NOTE:** If after step 7, the LED flashes a code other than what was just entered, this indicates that the code has not been changed. You will have to repeat steps 1 through 7 above being certain to note the following:

Acceptable digits 10ths or units are 1 through 9. The unit will not recognize a 0 (Zero), or no digit entered in any place, units or tenths.

**NOTE:** If 15 seconds of inactivity expire, or if the ignition switch is turned off for more than 5 seconds during any of the above steps, the unit will revert back to the last successfully stored code.

### **Manually Overriding Your system - Using the Custom Code:**

Assuming the override code programmed has not been changed, and the default override code of 11 is in the system's memory.

1. Enter the vehicle and turn the ignition switch to the on position.  
NOTE: The siren will sound.
2. Within 5 seconds, press and release the Receivers push-button switch 1 time.
3. Within 5 seconds, turn the ignition switch off then on.
4. Within 5 seconds, press and release the Receivers push-button switch 1 time.
5. Turn the ignition switch off then on and start the vehicle.

**NOTE:** If you have changed the programmed override code then substitute your new code tenths for step 2 above, and units for step 5 above.

## Additional 2 Way LCD Transmitter Functions

### Display Illumination

Press and hold the  button for 1 second. The display will illuminate for 5 seconds.

### Melody / Vibration Mode

To have the remote control vibrate, play a melody tone or both each time it receives a response from the vehicle press and release  then press and hold  for 2 seconds.

### Button Beeps

To toggle button beeps on or off press and release  then press and hold  for 2 seconds.

### Battery Save Mode

While in POWER SAVE MODE the 2-way LCD transmitter will NOT look for any incoming signals from the main unit until a button is pressed. The LCD screen will display SAVE to indicate that power save mode is ON. To enter power save mode press and hold  for 5 seconds.

### Button Lock

Press and release  then press hold the  for 2 seconds to toggle the button lock on or off. When the button lock is active, the remote control will beep/vibrate 2 times when a button is pressed indicating it is locked.

### Illumination

Press and release  2 times then press and hold  for 2 seconds to toggle illumination on or off. When on, the display will illuminate when it receives or sends a command.

### 2 Car Mode

To control a second security system enter 2 car mode by pressing  then press  and  together for 3 seconds. When the  icon appears on the transmitter's LCD screen it will control the second security system. Use the same method to exit 2 car mode and resume control of the original vehicle's security system.

NOTE: A second security system must be installed and the LCD transmitter must be learned to it before this feature will operate the additional system.

## **Parking Meter Countdown**

The parking meter countdown timer has 6 preset times, to access the preset times and begin countdown press and release  then press and hold  for 2 seconds, each additional press of  will increase the countdown time.

## **Adjusting the Clock and Timer Settings**

The clock, alarm clock and programmable countdown timer are accessed through the Function Menu. Press and hold  for 3 seconds to access the function menu, once you have accessed the feature menu press and release  to scroll through each feature and follow the steps below to adjust the settings for each. Press and hold  for 2 seconds to exit the menu.

Clock Hour	Press  to increase or  to decrease
Clock Minute	Press  to increase or  to decrease
Alarm Clock Hour	Press  to increase or  to decrease
Alarm Clock Minute	Press  to increase or  to decrease
Alarm Clock ON / OFF	Press  to turn ON or  to turn OFF
Countdown Timer Hour	Press  to increase or  to decrease
Countdown Timer Minute	Press  to increase or  to decrease
Countdown Timer ON / OFF	Press  to turn ON or  to turn OFF

## 2 Way LCD Transmitter Icon's

**NOTE:** Icons shown below are only be available when the host system connected supports the available feature. Refer to the host system's installation/user guide for details of supported features.

	LOCK		UNLOCK
	SYSTEM ARMED		VALET MODE
	TRANSMITTING		IGNITION ON/TRIGGER
	TRUNK TRIGGER		DOOR TRIGGER
	HOOD TRIGGER		FULL SHOCK TRIGGER
	SYSTEM TRIGGER		TIME COUNT DOWN
	BATTERY INDICATOR		BATTERY SAVE MODE
	VIBRATE/SILENT MODE		MELODY MODE
	2 CAR MODE		TIME DISPLAY
	ALARM CLOCK		ENGINE RUNNING
	TIMER / TEMP. START MODES		AUX MODE
	AUX 1 OUTPUT		AUX 2 OUTPUT
	AUX 3 OUTPUT		AUX 4 OUTPUT
	AUX 5 OUTPUT		

## Transmitter Programming

1. Turn the ignition ON.
2. Press and hold the valet/override button located on the antenna.
3. Within 10 seconds the LED's will begin to flash.
4. Press 1 button of each transmitter you wish to program, the LED's will flash to confirm each transmitter.
5. Turn the ignition OFF

**NOTE:** This system has 1 button programming which programs all channels of the system.

**NOTE:** The system will hold up to 4 transmitters in memory, programming a 5th transmitter will erase the oldest transmitter in memory.

## Replacing Remote Control Batteries

### **4 Button Remote Control - Model CAT4M**

The battery inside each remote control should last approximately 1 year under normal use. When the battery becomes weak you will notice the remote control range (the distance from the vehicle the remote control will work) deteriorate and the small LED on the remote control will dim. To replace the remote control batteries:

1. Remove 1 screw then disassemble the halves of the remote control by unsnapping the back of the case.
2. Remove the old battery, observing the +/- symbols on the batteries and replace with a new battery.
3. Reassemble the halves of the remote control and reinstall 1 screw.
4. Test operation of the remote control.

### **2 Way LCD Remote Control - Model CATLCD**

The AAA battery inside the 2-way LCD remote control should last approximately 6 months under normal use. When the battery becomes weak you will notice the remote control range (the distance from the vehicle the remote control will work) deteriorate and the BATTERY icon on the LCD remote control will show 1 bar or less.

1. Gently slide the battery cover off of the remote control.
2. Remove the old AAA battery, observing the +/- symbols on the battery, and replace with a new AAA battery.
3. Gently slide the battery cover on to the back of the remote control.
4. Test operation of the remote control.

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**FCC COMPLIANCE**

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. 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 any interference that may cause undesired operation.

**Warning!**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.