



## Model AA-RS30CS Owner's Manual

### 3 Channel Remote Car Starter

#### **FEATURES:**

- ◆ 2 Three Button Programmable RF Transmitters
- ◆ Three Channel Receiver (capable of accepting 4 transmitters)
- ◆ Anti Code Grabbing Technology
- ◆ Remote Start Safety Control Switch
- ◆ Safe Start RF Control (Double Push Of RF Transmitter)
- ◆ Selectable Automatic Timed Start Mode
- ◆ ( + ) and ( - ) Keyless Entry Outputs
- ◆ On-Board Start Relay
- ◆ On-Board Accessory Relay
- ◆ On-Board Ignition 1 Relay
- ◆ On-Board Ignition 2 Relay
- ◆ Ignition 2 Relay Selectable On or Off During Cranking
- ◆ On-Board Parking Light Relay
- ◆ Ignition 3 / Shock By-Pass / GM VAT Output (relay required)
- ◆ Tach Signal Learning Circuit
- ◆ Two ( + ) and Two ( - ) Safety Shutdown Circuits
- ◆ Alarm By-Pass Output
- ◆ Channel 2 Output for Remote Trunk Release (relay required)
- ◆ Channel 3 Output to Control Optional Accessories
- ◆ Selectable Steady or Flashing Parking Lights for Run Indication
- ◆ Selectable 10 or 15 Minute Run Time
- ◆ Selectable 1 Sec. 3.5 Sec. Or Double Pulse Door Lock Output
- ◆ Optional Illuminated Entry Output (Relay Required)
- ◆ External Activation Control Input

#### **OPTIONS:**

- ◆ Remote Power Window Control
- ◆ Remote Garage Door Interface
- ◆ Multiple Vehicle Capable

**WARNING!** Be certain that the vehicle is outdoors before using this or any remote vehicle starting device. A running engine produces dangerous carbon monoxide fumes which can be harmful or fatal if prolonged exposure occurs. DO NOT remote start the vehicle if the car is garaged.

### **YOUR “ ANTI -CODE GRABBING “ TRANSMITTERS**

The transmitters included with your new remote start system use the most advanced and secure form of radio frequency transmission available on any current automotive remote system. Some of today's sophisticated auto thieves use a device known as a code grabber, which will receive and store the signal from your keychain transmitter, and re-transmit it at a later time to disarm your system.

Your anti-code grabbing transmitters will change their signal every time the button is pressed, so when a thief grabs then re-transmits your signal, the alarm system *will not* respond.

If your transmitter button is pressed more than fifty times while it is out of range of the vehicle ( children playing with your keys ), the transmitter will not operate when you return to the vehicle and will need to be re-aligned to the receiver. To do this, simply press button 1 two times within a one second time period. The system will now respond to that transmitter each time a button is pressed.

For reference the transmitter packaged with your AA-RS30CS is shown with numbers referring to the text below.

### **KEYLESS ENTRY**

1. To lock or unlock the doors simply press and release button 1 on the keychain transmitter. As a keyless entry unit, for your convenience, the parking lights will flash once when the doors are locked and twice when the door are unlocked. If the optional illuminated entry feature has been added, the interior light will turn on when the doors are unlocked and remain on for 30 seconds or until the ignition is turned on.



### **ADDITIONAL REMOTE FUNCTION (CHANNEL 2)**

This system has an additional feature that can be connected to a number of different optional accessories. Some of the more common uses for this channel are;

- Remote Trunk Release
- Remote Window Closure
- Remote Garage Door Interface

To activate the optional accessory, press and hold button 2 on the keychain transmitter for 4 seconds.

**NOTE:** The feature that has been added to channel 2 will always be activated using the same transmitter button that remotely starts the vehicle. There is no way to move the channel 2 function to a different transmitter button.

### **ADDITIONAL REMOTE FUNCTION (CHANNEL 3)**

This system has an additional feature that can be connected to a number of different optional accessories. Some of the more common uses for this channel are;

- Remote Trunk Release
- Remote Window Closure
- Remote Garage Door Interface

To activate the optional accessory, press button 3 on the keychain transmitter. The optional accessory will immediately engage.

### **SAFETY (Red Handle) CONTROL SWITCH**

The control switch allows you to temporarily disable the remote starting function of your AA-RS30CS. To disable the unit, move the red handle control switch to the off position.

The control switch also allows you to select between 2 hour start up and 4 hour start up when using the automatic start up timer mode. The factory preset start up time for this mode is every 4 hours. To select between 2 or 4 hour start up timer:

1. Begin with the control switch in the on position
2. Turn the ignition switch on then off
3. Within 10 seconds, move the control switch off, on, off, on (2 switch cycles) to select a 2 hour start timer. After 10 seconds expire, the parking lights will flash 2 times confirming that the two hour start cycle is set. Or, within 10 seconds move the control switch off, on, off, on, off, on, off, on (4 switch cycles) to select a 4 hour start timer. The parking lights will flash 4 times confirming that the 4 hour start timer is set.

### **REMOTE STARTING THE VEHICLE**

The AA-RS30CS WILL NOT start the vehicle if any one of the following conditions exists:

1. The Vehicle Hood Is Opened.
2. The Gear Selector Is In Any Gear Other Than Park.
3. The Brake Is Depressed.
4. The Safety Control Switch Is In The Off Position.

**CAUTION!** Be certain that the vehicle is outdoors before using this or any remote vehicle starting device. A running engine produces dangerous carbon monoxide fumes which can be harmful or fatal if prolonged exposure occurs. DO NOT remote start the vehicle if the car is garaged.

### **To Remote Start The Vehicle:**

Press and release channel 2 of your keychain transmitter two times within 2 seconds. The vehicle will start and remain running for the pre-programmed 10 or 15 minutes. As a visual indication, the parking lights will flash or turn on dependent on the programming set up by your installation center.

When you arrive at your vehicle, unlock it with the key or by pressing and releasing button 1 of your keychain transmitter. Enter the vehicle and turn the ignition key to the on position.

**CAUTION!** Do not turn the key to the start position. This will cause the starter motor to engage with the already running engine which could result in damage. Step on the brake pedal to disengage the remote start unit. The vehicle will continue to run but now on it's own power.

**NOTE:** The engine will stop running before the expiration of the pre-programmed run timer or if you complete any of the following:

1. Press and release channel 2 of your keychain transmitter two times within 2 seconds.
2. Depress the brake pedal.
3. Open the hood.

4. Move the red handle control switch to the off position.
5. Race the engine to above 4000 RPM.

**OPERATING ON AUTOMATIC START UP TIMER MODE**

The AA-RS30CS has the ability to automatically start the vehicle every 2 or 4 hours over a 48 hour period. This feature is especially useful in cold climates where the only means to keep the engine and engine fluids warm is to periodically start the engine.

**CAUTION!** Be certain that the vehicle is outdoors before using this or any remote vehicle starting device. A running engine produces dangerous carbon monoxide fumes which can be harmful or fatal if prolonged exposure occurs. DO NOT remote start the vehicle if the car is garaged.

**TO BEGIN THE AUTOMATIC START UP TIMER**

1. Turn the ignition key on then off.
2. Within 10 seconds, activate the RF start command two times. (Push the second channel button of your keychain transmitter 4 times).

The parking lights will flash and the siren will chirp 4 times indicating the timed start mode is activated.

The vehicle, on a 2 or 4 hour interval basis, will automatically start, run for the pre-programmed time (10 or 15 minutes), and then shut off. This will continue for 48 hours.

**NOTE:** The automatic start up timer can also be initiated from the keychain transmitter. To do this:

1. Start the vehicle using the keychain transmitter by pressing and releasing the second channel transmitter button 2 times.
2. Shut off the vehicle using the keychain transmitter by pressing and releasing the second channel transmitter button 2 times.
3. Within 10 seconds of step 2, activate the RF start command two times. (Push the second channel button of your keychain transmitter 4 times).

The parking lights will flash and the siren will chirp 4 times indicating the timed start mode is activated.

**CANCELING THE AUTOMATIC START UP TIMER**

To cancel the automatic start up timer do one of the following;

1. Start the vehicle manually with the use of the ignition key and depress the brake pedal.
2. Remote start the vehicle using your keychain RF transmitter.
3. Shut off the vehicle using the keychain transmitter by pressing and releasing the second channel transmitter button 2 times.

**FUNCTION SETTING CHART**

To be completed by installer

Door Lock Time	1 Sec. <input type="checkbox"/>	3.5 <input type="checkbox"/>	1 Sec. L/ Double Pulse U/L <input type="checkbox"/>
Lights	Steady <input type="checkbox"/>	Pulse <input type="checkbox"/>	
Run Time	10 Min. <input type="checkbox"/>	15 Min. <input type="checkbox"/>	