

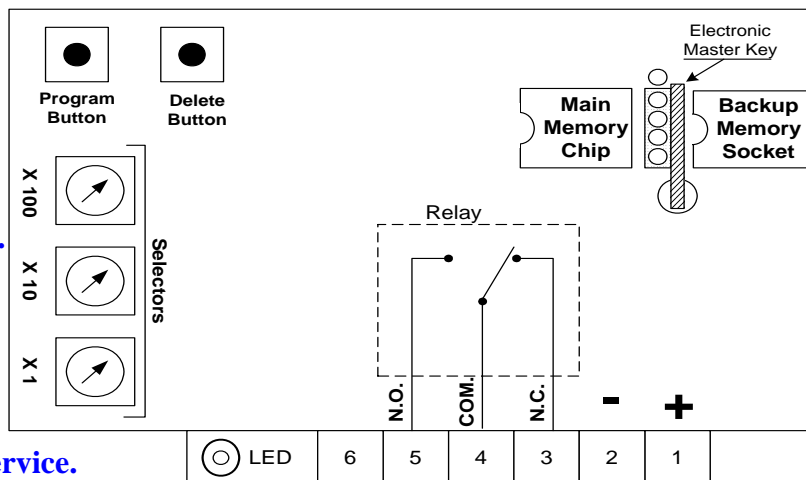
Remote Controlled Access Control System


Model ACR-6

The ACR-6 Access Control Receiver is a great cost effective solution when a top security access control system with remote controls is required with the ability having full control of each user in the system. The system has all the essential features that a smart access control system should have with very user-friendly features.

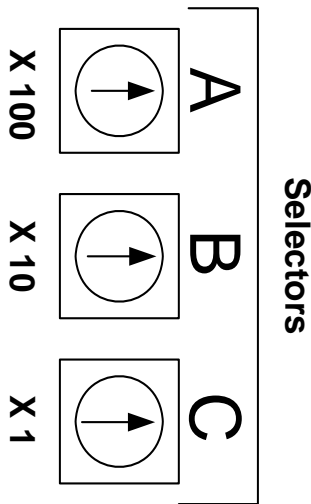
FEATURES:

- » **Top Security Rolling Code system.**
- » **Four Channel remote controls.**
- » **150 meters effective operational range.**
- » **Security Electronic Key for Service.**
- » **Mobile Backup Disk Memory.**
- » **Upload / Download backup memory.**
- » **Multi Function operation output.**
- » **Learning up to 660 remote controls.**
- » **Master remote control for wireless service.**
- » **Individual coding selection and maintenance.**
- » **Paging up/down through the receiver's memory.**
- » **Service Free teaching method of remote controls.**
- » **Stand-alone unit – no need for PC or programmer.**



<p><u>ROLLING CODE SYSTEM</u> The ACR-7 system operates with TR-4RS <i>rolling code remote controls</i>, which enables top security and makes sure that the remote controls cannot be duplicated and used by others.</p>	<p><u>4-CHANNEL REMOTE CONTROL</u> The system operates with a four button remote control (I, II, III, IV) that can be programmed into four separate systems and enable the end user to operate up to four different gates.</p>	<p><u>200 METERS OPERATION RANGE</u> The high sensitivity super heterodyne radio receiver of this unit enables to operate any gate from a distance of 200m'.</p>
<p><u>MULTI FUNCTION OUTPUT</u> One out of three operating functions (Pulse, Latch, Momentary) can be chosen for the internal relay of the unit.</p>	<p><u>MASTER REMOTE CONTROL</u> A master remote control can be chosen for each system to allow programming the system remotely without the need of accessing the system.</p>	<p><u>BACK UP MEMORY</u> All the system's memory can be recorded into the electronic key of the system as a back up in case the unit is totally damaged for any reason.</p>
<p><u>UPLOAD / DOWNLOAD BACKUP MEMORY</u> With the electronic key of the system you can download and upload the memory into a new ACR-7 unit, and create identical or additional ACR-7 units.</p>	<p><u>PAGING THROUGH THE SYSTEM'S MEMORY</u> The selectors and the PROGRAM /DELETE buttons allow the user to page through many programmable functions and features and choose the program or feature required.</p>	<p><u>INDIVIDUAL CODING</u> The Selectors allow the user to page through the system's memory and get individual selection and maintenance of any of the remote controls in the system's memory, and to delete, change or add any of the remote controls in the system's memory.</p>
<p><u>SERVICING KEY</u> This top security system has an "electronic key" that needs to be plugged in to the receiver's socket in order to program and service it. In other words, no one except the authorized service person can delete, teach or program the system without having this electronic key.</p>	<p><u>SERVICE FREE TEACHING METHOD OF REMOTE CONTROLS</u> This sophisticated system allows to add- on new remote controls into the system <i>wirelessly</i>, without the need of sending a technician to the unit, which saves time and enables convent service.</p>	<p><u>Technical features:</u> Operating voltage: 12DC Operating frequency: 433.92MHz. No. of remote controls: 660 or 890 Operation range: 150m' open air.</p> 

OWNER'S MANUAL



There are three selectors in the access control unit: A, B and C. You can choose the required function by setting the position of the selectors according to the following table:

Function →	1	2	3	4	5	6	7	8	9	10	11	12
A	0	E	X	X	F	0	B	D	B	B	B	F
B	0	E	X	X	0	A	A	C	D	D	D	A
C	0	2	X	X	A	C	C	A	A	B	C	B

Function 1.

How to teach a selected button of the TR-4RS remote control into the receiver's memory:

Set the selector's position to: "0 ,0 ,0 ". Press and release the PROGRAM button in the unit and the LED will turn on indicating that the unit is ready to learn the remote control's button. Within this time, choose, press and release one of the buttons (I, II, III or IV) of the required remote control and the unit will learn this button into the first available memory cell and confirm it by flashing twice with the LED. If no remote controls were programmed into the system within three seconds, the unit will exit this mode automatically and the LED will turn off. It is recommended to clear the unit's memory before teaching any of the remote controls. When the unit's memory is blank (was CLEARED before teaching) the unit will record and learn the remote controls' buttons into the memory cells according to the **sequence** of teaching them into the unit, automatically.

Function 2.

How to clear and delete ALL the remote controls from the access control's memory:

Set the selector's position to: "E ,E ,2 ". Press and release the DELETE button in the unit and the LED will turn on for three seconds. Within this time you should press and release both buttons PROGRAM and DELETE simultaneously. The LED will start flashing and then turn off to indicating that **ALL** the remote controls were deleted and the unit's memory is blank.

Function 3.

How to Delete a SPECIFIC button of a remote control from the access control's memory:

The ACR-7 access control system has 660 memory cells of which, each one of them can obtain and learn a specific button of the TR-4RS remote controls. For deleting a specific button of a remote control from the unit's memory, you should keep a list with all the names and their memory cells numbers, according to the programming sequence, which the remote controls had been programmed into the receiver's memory. For example; David has the first remote control that was programmed into the unit (i.e. David's remote control has been recorded into memory cell number 1 of the unit). Steve has the remote control that was programmed into the unit's memory in the 73rd sequence of teaching the remote controls into the unit's memory (i.e. Steve's remote control has been recorded into memory cell number 73 of the unit). Therefore, in order to delete a specific remote control's button from the unit's memory you should set the selectors to the memory cell number of the remote control. For example if we wish to delete Steve's remote control number 73rd, the selectors should be set to 0 7 3 (as A, B, and C) and then do as follows:

Press and release the DELETE button in the unit and the LED will turn on for three seconds. Within this time you should press and release both buttons PROGRAM and DELETE simultaneously. The LED will flash twice and then turn off to indicating that the memory cell number 73 was deleted and cleared.

Function 4.

How to teach a SPECIFIC button of a remote control into a SPECIFIC memory cell:

Please note, the system will not teach new remote controls into a specific memory cell unless the memory cell is blank. Thus, it is recommended to clear the required memory cell before teaching a new remote control into this specific cell.

Select the memory cell number by the selectors that you wish to teach the remote control into. For example, if you wish to teach into memory cell number 4 a new remote control set the selectors to 0 0 4 (as A, B, and C) and then press and release the PROGRAM button in the unit. The LED will turn on for three seconds indicating that the unit is ready to learn the new remote control's button. Within this time, choose, press and release one of the buttons (I, II, III or IV) of the required remote control and the unit will learn this button into the current selected memory cell. The LED will turn off to indicate end of process.

Function 5.

How to find the cell-number of a SPECIFIC remote control in the unit's memory:

The unit can inform you the cell-number of the remote control in the unit's memory.

Set the selector's position to: "F ,0 ,A " and press and release the PROGRAM button. The LED in the unit will turn on and the unit is now ready to check the required remote control position in the memory. Press and release the button of the remote control, which you would like to find its cell number in the unit's memory. The LED will flash the number of the Hundred digit and after a short break the number of the Tens digit number and after another short break the number of the units digit. If the one of the Hundreds, Tens or the Units digits is "0" the unit will indicate it by a long flash of light in the LED.

Function 6.

How to check the number of remote controls in the unit's memory:

Set the selector's position to: "0, A, C " and press and release the PROGRAM button. The LED will flash the number of the Hundred digit and after a short break the number of the Tens digit number and after another short break the number of the Units digit. If there are no Hundreds digit the unit will not indicate this digit and show the Tens digit and the Units digit only. If the digit number is "0", the LED will indicate it by a long flash of light.

Function 7.

How to Backup the memory and the remote controls into the Electronic Key Plug:

All the operational remote controls of the unit can be backed up into the Electronic Key Plug as follows:

Plug in the **electronic key** according to its leading pin and set the selector's position to: "B, A, C ".

Press and hold the PROGRAM button till the LED will start to flash. Release the PROGRAM button and wait till the LED stops flashing. Please note – do not press any buttons of the unit till this process is finished.

Function 8.

How to download the backup memory from the Electronic Key Plug to the unit's memory:

Plug in the **electronic key** according to its leading pin and set the selector's position to: "D, C, A ".

Press and hold the PROGRAM button till the LED will start to flash. Release the PROGRAM button and wait till the LED stops flashing. Please note – do not press any buttons of the unit till the LED stops flashing and the process is finished.

Function 9.

How to select “PULSE” function for the relay:

Set the selector’s position to: “B, D, A“. Press and release the program button once and the unit will be programmed to activate the relay as a PULSE function.

Function 10.

How to select “LATCH” function for the relay:

Set the selector’s position to: “B, D, B“. Press and release the program button once and the unit will be programmed to activate the relay as a LATCH function.

Function 11.

How to select “MOMENTARY” function for the relay:

Set the selector’s position to: “B, D, C“. Press and release the program button once and the unit will be programmed to activate the relay as a MOMENTARY function.

Function 12.

How to teach a “MASTER” remote control:

You can choose one of the remote controls to be as a master remote control which will allow the user to teach new remote controls into the system without the need of neither a technician nor accessing the main unit – see *service free method of teaching* below. To teach a master remote control set the selector’s position to: “F, A, B“. Press and release the program button once and the LED will turn on. Choose, press and release one of the buttons of the master remote control and the unit will learn this button into the **first memory cell** of the unit and confirm it by flashing twice with the LED.

“Service - Free” Teaching Method

This method allows the end user to teach new remote controls into the unit’s memory without the need of neither a technician nor accessing the main unit. Use the Master Remote Control to teach a new remote control into the unit’s memory as follows:

Take the MASTER remote control and press and hold both its buttons (II) and (I) simultaneously for 5 second. After releasing these buttons the unit will be ready to learn the new remote control’s button. **Choose**, press and release for one second on one of the buttons (I), (II), (III) or (IV) of the **NEW remote control**. The light relay will stop flashing to indicate that the remote control’s button has been learnt into the receiver’s memory.

“Security Service Code”

It is possible to order the ACR-6 Access Control System with a programmed *security serial pin code number* that will enable and allow **only** the installer to maintain and service the unit with a *specific pin code number*. Ask us for more details on Tel: 03-95720 535

ECA Electronic Engineering Pty. LTD. Australia.