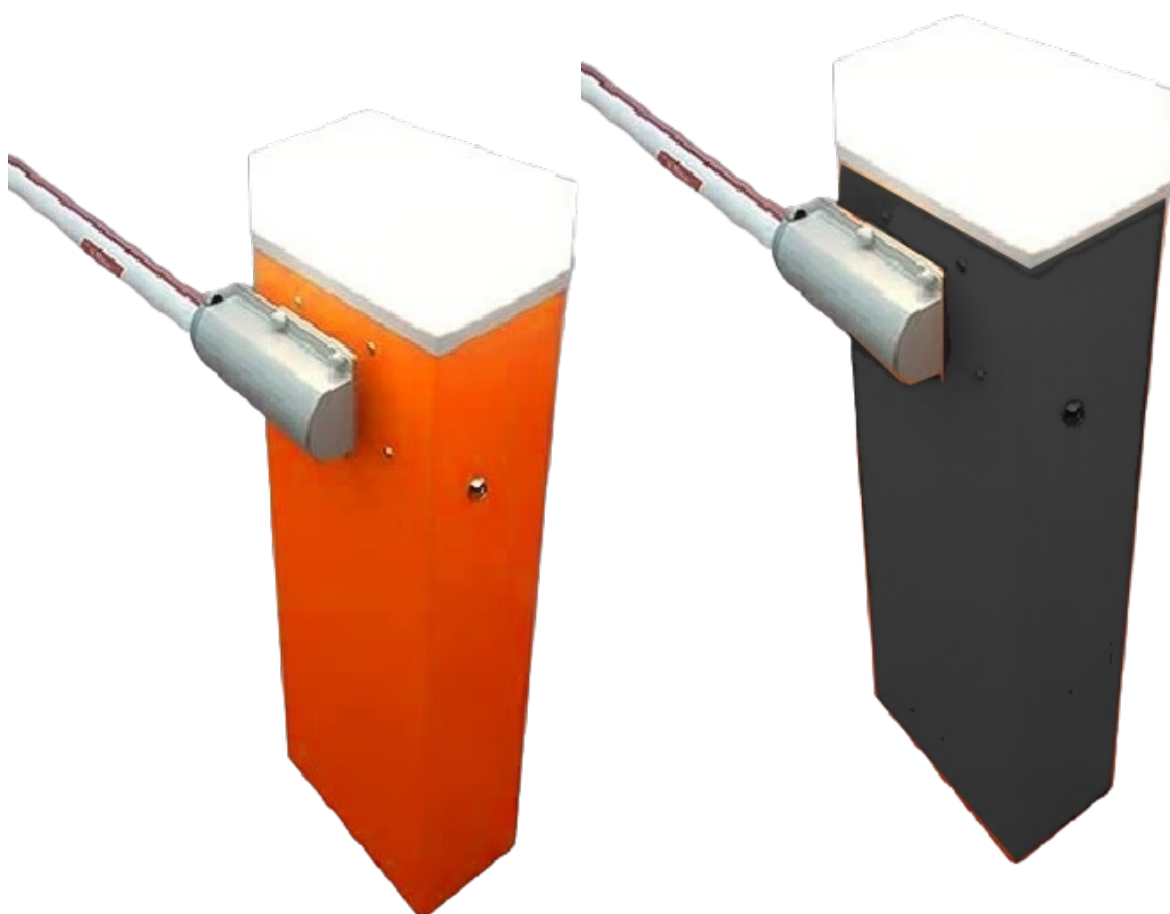




FRIG 4000-5000

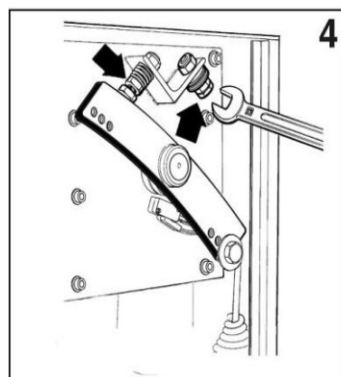
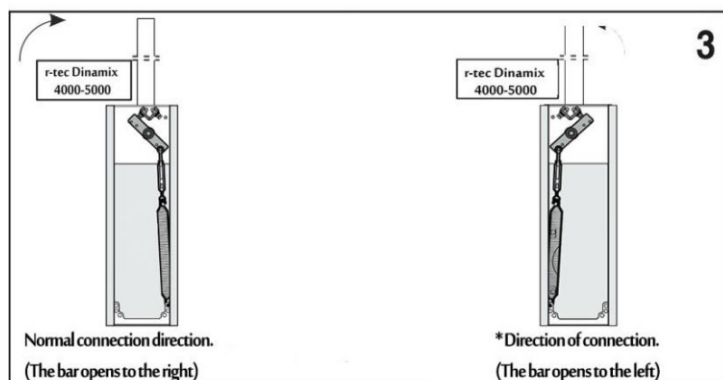
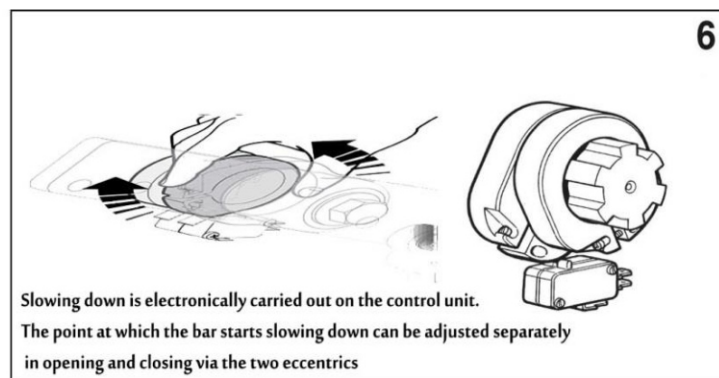
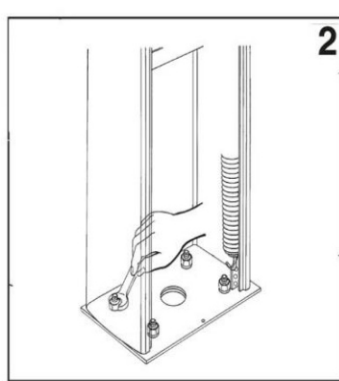
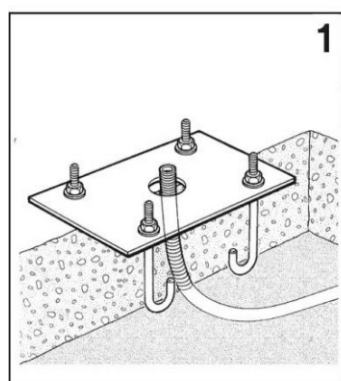
BARRIER



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	FRIG 4000	FRIG 5000
Power Source (VAC 50Hz)	230	230
Engine Power Supply (Vac/Vdc)	24	24
Motor Power (W)	190	190
Opening Time (sn)	4	5
Bar (m)	4.25	5.25

r-tec FRIG 4000-5000 MECHANICAL INSTALLATION



USAGE AREA

For 24V DC motors, it is suitable for use with both mechanical and electronic limit switch motors. One motor or two motors have the ability to operate. With these characteristics it is suitable to use with;

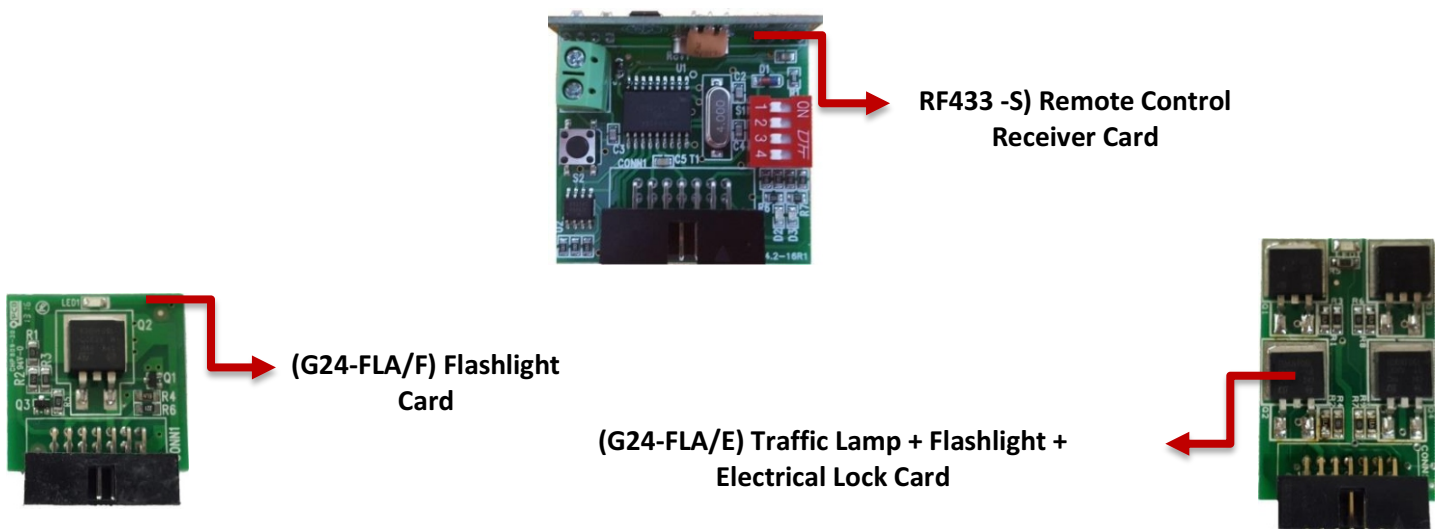
1. Sliding Gate Motors
2. Swing Gate Motors with one leaf or two leaves
3. Barriers
4. Sectional Doors

It is suitable for intensive use. It provides high security with jam detection sensitivity and two sets of safety photocell-connectable features. With "soft start - soft stop" operating feature, Protect the motor and mechanical system at the top level against to abrasion. Flashlight traffic light and electric lock can be connected. It is advantageous that the card has a modular structure.

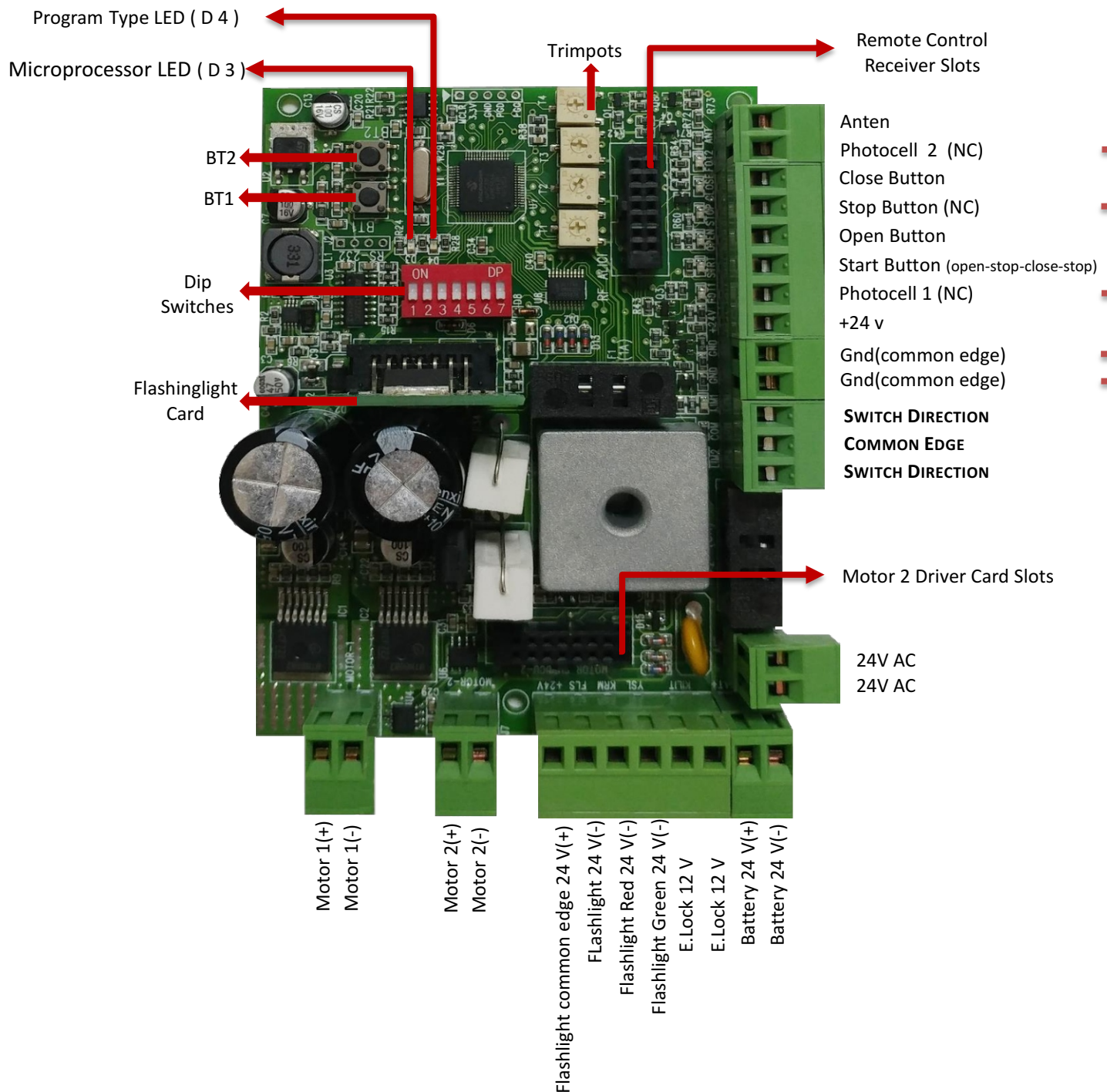
TECHNICAL SPECIFICATIONS

Input Voltage	230 VAC
Motor output voltage	24 VDC
Operating Current	1,1 A / 5 A
Power	85 / 550 W
Motor Connection Terminal	24 VDC 2 units (2nd motor with additional card)
Safety Photocell Energy Terminal	12-24 VAC/DC 2 units
Flashlight Terminal	24 VDC
Traffic Lamp Terminal	24 VDC (Changing Flashlight Card)
Electrical Lock Terminal	12-24 VDC
Operating Temperature	-20 / + 55

G24 CONTROL CARD'S MODULAR CARDS



CONTROL CARD CONNECTION SCHEMA



Note: With the condition that the bridge is at a common end, a bridge must be made for every NC contact that is not used on the card, otherwise the system will not work.

Working of Photocell 1: If the contact of the photocells is cut off when the door moves in the opening or closing way, the motor stops and starts to move in direction of opening.

Working of Photocell2 when the door is opening if the contact of the photocells is cut off, the motor stops and waits until the contact resumes, after contact is delivered again, it starts to move in the direction of opening.

BUTTON FUNCTIONS

BT2 program type selecting button:

It is used to select the motor type. In factory settings, the motor type of the G24 card is selected according to the product on which it is installed. However, if there is a situation that the motor type has to be selected, the motor selection will change as long as you hold down the BT2 button. The selected motor type will be indicated by the yellow LED (LED 5).

Motor Type LED (LED 5):

For Swing Gate Motor	:	Steady lighting,
For Barrier	:	No Lighting,
For Sliding Gate Motor	:	Lighting fixed intervals,
For Sectional Door Motor	:	Lighting fast intervals,

Flashlight Working Mode : You can change the operation mode of the flashlight if you keep BT2 button pressed while defining the operating limit;

- Flashlight, steady light when the motor is running.
- Flashlight flashes as long as the motor is running.

If automatic closing is enabled, from the moment the door starts to open (Including automatic shutdown time) the flashlight is active until the closing is complete.

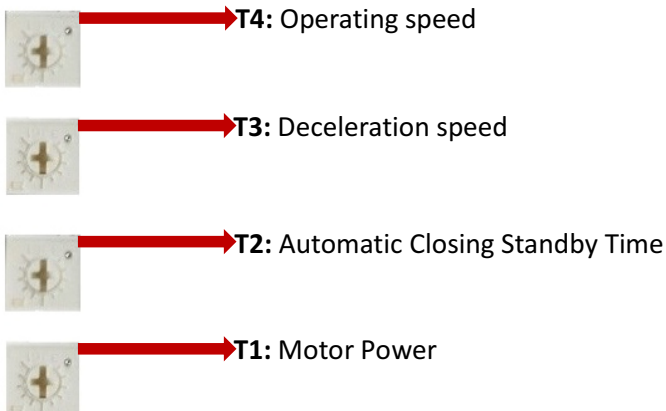
Traffic Lamp working mode: When the door is opening and closing, the red lights are on, and when the door is fully opened the green light is on.

If automatic shut-off is activated, the flashing light is activated from the moment the door starts to open (including the automatic shut-off time) until the closing is complete.

BT1 Programming Button:

The motor type should be chosen before press the programming button. It automatically defines the door opening and closing limits when the BT1 button is pressed. Once you have programmed, you do not need to do it again. This button is not used if the motor type is selected as the barrier.

PARAMETER SETTINGS



NOT: Trimpot setting; increases Clockwise and decreases Counterclockwise.

DIPSWITCH FUNCTIONS



Automatic Closing is ON (Time is adjusted with T2 trimpod)



Photocell 2 is active



Out of use



Changes Motor and switch direction



Out of use



ON; Mechanical limit switch active
OFF; electronic limit switch active



Out of use

CONTROL CARD SETTINGS

1. Make sure that the mechanical installation and fitting of the gate is complete and smooth,
2. Connect the 220V cables to motor.
3. Open the mechanical limit switch by taking dipswitch 6 in ON position
4. Make sure that Motor switch cable connected,
5. Dip switches 3 and 7 should be OFF,
6. T3 and T4 trimpots are used for motor speed setting.
7. Switch wedges are used for deceleration distance adjustment.
8. If automatic closing is required, dip switch 1 is turned on and time setting is done with T2 trimpot.
9. Connect 220V energy,
10. Check that the D3 processor LED is blinking at fixed intervals,
11. Make sure D4 is in barrier mode (not lit),
12. Check that the Stop Led, Photocell 1 Led and Photocell 2 Led behind the terminals is lit,
13. When the motor is in operation, unbind and take the motor from the manual,

NOTE: BT1 button (limit program) is not used in barrier mode.

Problems that can be encountered:

PROBLEM		SOLUTION
The Open button is pressed but the arm is slightly open and then stops,	The motor power may be low.	Increase the T1 (motor power) trimpot.
The Open button is pressed but the arm is closing,	The motor may be upside down.	Cut the power and switch ON #4 dipswitch
The barrier is opening but it is not closing back,	There may be a problem in the photocell line.	Check the photocell line.
The LEDs are lighting up on the card except D3 processor LED,	The processor may have taken to protect itself.	Cut the power. Recharge the electricity when the LEDs on the card switch OFF. If the problem persists microprocessor card may be malfunctioning, Card must be replaced with a new one.
The remote control is not being defined or running,	Make sure that it is plugged into the control receiver socket correctly.	Make sure that it is fully plugged in the socket of the receiver, if it is Rolling code, switch ON the common receiver mode
220 V power connected but no LED on board,	The fuse may have exploded.	Check the 3A fuse on the card with the gauger. Be sure of its stability.
The fault in the previous line continues	There may be a problem with the transformer and mains voltage.	The 220V AC at the transformer input and the 24V AC meter at the transformer output.

RF-433 ROLLING RECEIVER – REMOTE CONTROL OPTIONS

TECHNICAL SPECIFICATIONS

Operating Voltage	12 Vdc/24Vdc
Operating Current	20Ma
Operating Heat	-20C ~ 80C
Relay Contact Current	4 A
Relay Contact Time	0,5 sn.
RF Receiver Frequency	433 MHz (Crystalized)
Contact Quantity	1 NC*, 1 NO*
Contact Quantity	1
Quantity of Remote Control should be identified	For Standard Receiver : 1 unit = 1 x 2000 = 2000 Copy
	For Common Receiver: 120 unit = 120 x 2000 = 240.000 copy

1. **Standard Receiver Mode;** On standard receiver mode only 1 remote control can indentify. **provided that the same firm and remote control code** 2000pieces remote control can be copied.
2. **Common Receiver Mode;** In the common receiver mode, 120 different remote controls can be identified with the condition that the receiver and the company code are the same. Each different remote control must be identified once. 120 x 2000 = 240000 remote controls are available.

NOTE: When in common receiver mode, you can identify only the same button of different code remote controls. Example: Only button 1.

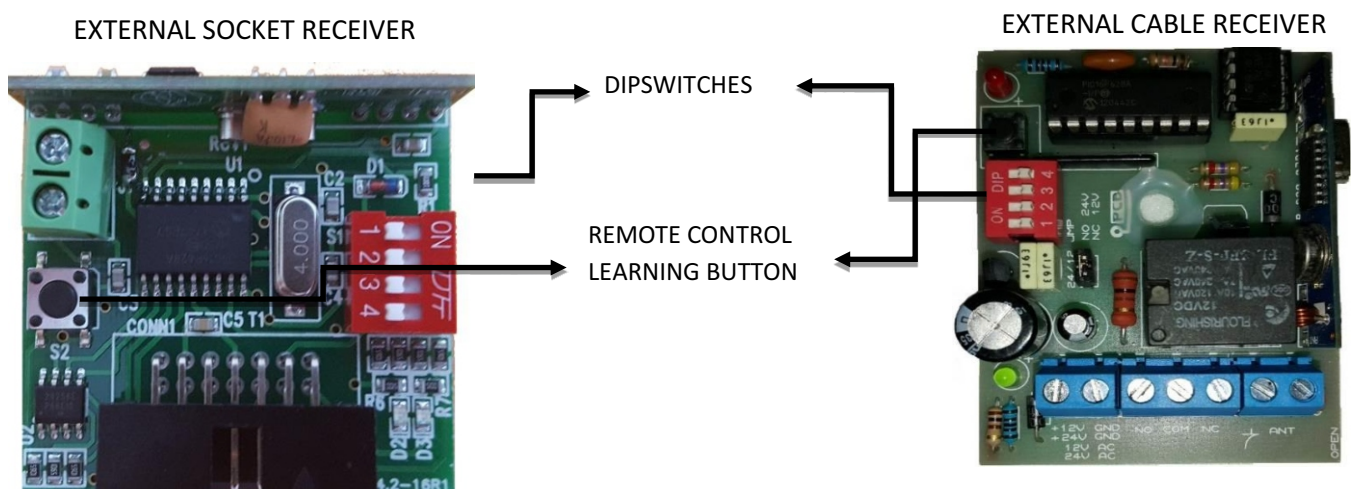
Common Receiver Settings

1. Switch ON DipSwitch number 4 (number 1 is for wired receiver)
2. Cut the operating voltage, after 5 sec. connect it,
3. Warning LEDs light up continuously for about 20 seconds after flashing 4 times. You can identify the remote controls after the light goes out.

To return from the common receiver to the standard receiver;

1. Switch OFF the Dipswitch number 4 (number 1 for wired receiver)
2. Cut the operating voltage, after 5 sec. connect it,
3. Warning LEDs light up continuously for about 20 seconds after flashing 4 times. You can identify the remote controls after the light goes out.

NOTE: Remote controls used in the previous mode will be deleted when switching between modes



RF-433 ROLLING RECEIVER – REMOTE CONTROL OPTIONS

ATTENTION! Only one firm can identify the control to a receiving card. The controller of another company can not be identified on the receiving card which has been identified once, even if it is the same type.

Identifying The Remote Control:

ATTENTION! Only one firm can identify the control to a receiving card. The controller of another company can not be identified on the receiving card which has been identified once, even if it is the same type.

1. To identify the remote control to the receiver, press the learning button until the red warning is lighted.
2. Press and hold the button that you want to identify.
3. Pull your hand as the red LED on the receiver starts to flash
4. You can use the remote control after the leds turn off.

In standard receiver mode, you only need to identify one of the remote controls. The other remote controls are copies, they also run them.

For the common receivers, it is enough to introduce one of the different copies.

NOTE: The receiver can not detect the remote controls in different codes from the first programmed remote control code.

Delete Remote Control Code:

ATTENTION! After the remote control deletion, only the first company that identified the remote controls before, identify the new remote controls to the receiver. The receiver unit will not accept the identifications of other companies, even if they are of the same type.

1. Press and hold on the remote control learning button
2. Warning LED will light up, will go out, and light up again then pull your hand again
3. The warning lights on for 20 seconds and off.

At the end of this process, all the remote controls in the memory are deleted.

Dip switch functions; Dip switch 1; Common receiver on (number 4 for plug-in / socket receiver)
Dip switch 4; sends contact for 5 sec. (number 1 for plug-in / socket receiver)

WARANTY:

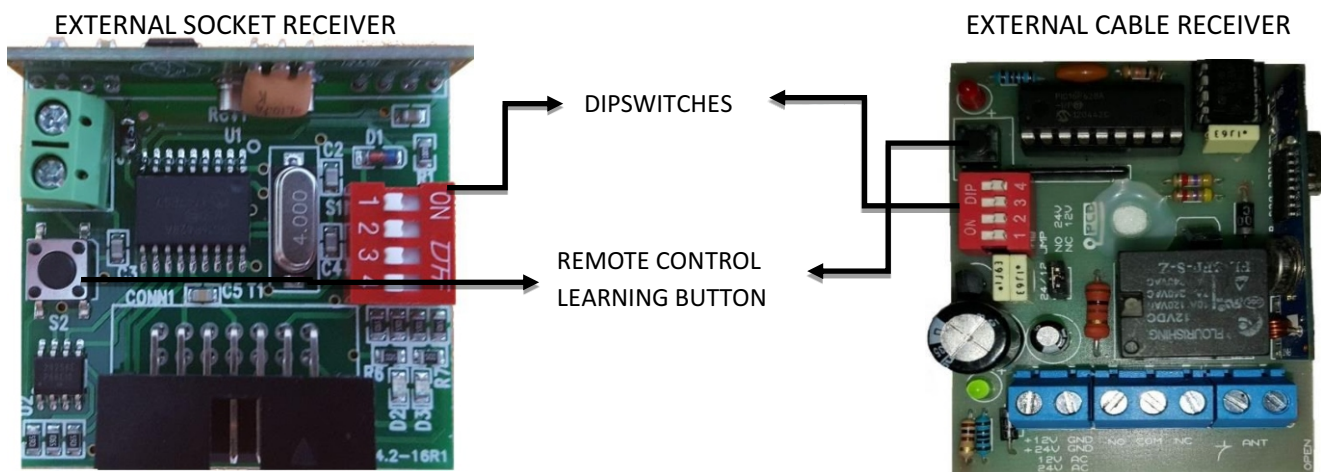
RF 433 EXTERNAL RECEIVER is guaranteed for 2 years against problems caused by material.

- The product must be used in accordance with the operating instructions. Problems that may otherwise occur are not covered by the warranty.
- The product is under guarantee only when the card is mounted on the box.
- In case of any malfunction, send the product with the box to technical service. Otherwise, the product is out of warranty.

RF-433 FIXING RECEIVER – REMOTE CONTROL OPTIONS

TECHNICAL SPECIFICATIONS

Operating Voltage	12 Vdc/24Vdc
Operating Current	20Ma
Operating Heat	-20C ~ 80C
Relay Contact Current	4 A
Relay Contact Time	0,5 sn.
RF Receiver Frequency	433 MHz (Crystalized)
Contact Quantity	1 NC*, 1 NO*
Channel Quantity	1



Identifying The Remote Control:

1. To identify the remote control to the receiver, press the learning button until the red warning is lighted.
2. Press and hold the button that you want to identify.
3. Pull your hand as the red LED on the receiver starts to flash
4. **Apply the same process for each remote control.** The remote controls are ready to use.

Delete Remote Control Code:

1. Press and hold the learning button o99996n the recipient
2. Warning light will light up, then pull your hand when you start flashing.
3. When the warning light is off, the the remote controls in the memory will be erased
4. Dip switch functions: dip switch number 1 is On; sends contacts for 5 sec. (Wired receiver only), other dip switches are nonfunctional.

Dip switch functions; Dip switch 1 is on, it send contacts for 5 sec. (only cabled receiver)
Other dipswitches are nonfunctional.

WARANTY:

RF 433 EXTERNAL RECEIVER is guaranteed for 2 years against problems caused by material.

- The product must be used in accordance with the operating instructions. Problems that may otherwise occur are not covered by the warranty.
- The product is under guarantee only when the card is mounted on the box.
- In case of any malfunction, send the product with the box to technical service. Otherwise, the product is out of warranty.



AB UYGUNLUK BEYANI
EU DECLARATION OF CONFORMITY

ALKUR KAPI SİSTEMLERİ A.Ş.

*Yukarı Dudullu Mah. Necip Fazıl Blv. Keresteciler(Keyap)Sitesi F2 Blok No:44/102
Ümraniye İstanbul*

Aşağıda tarifi yapılan ve teslim ettiğimiz modeller içerisinde olan ürünlerin tasarım ve tip olarak, Makine Emniyeti Yönetmeliği (2006/42/AB) ve Elektromanyetik Uyumluluk Yönetmeliği (2014/30/AB) temel emniyet ve sağlık şartlarına uygun olduğunu beyan ediyoruz. Ürün üzerinde tarafımızca onaylanmamış herhangi bir değişiklik yapılması halinde bu beyan geçersiz olacaktır. *The below described and delivered within a models of products as design and types, The Machine Safety Directive (2006/42/AB) and The Electromagnetic compatibility Directive (2014/30/EU) is in conformity with the basic safety and health requirements. On the product in case of any modification not approved by us, this declaration will be invalid.*

Ürün tanımı : BARIYER / BARRIER
Product description : Trafik akışını düzenleyerek, giriş-çıkış disiplinini sağlamak amacıyla kullanılan alüminyum kolun yatay ve düşey pozisyona gelmesini sağlayan elektromekanik sistem.
The electromechanical system, which regulates the traffic flow as entrance & exit by moving the arm from horizontal to vertical alignment.

Ürünün Ticari Markası
Commercial Brand of Product : R-TEC

Ürün Tipleri : DinamixBar7000, DinamixBar6000, DinamixBar5000,
Product Types : DinamixBar4000, Dinamix7000, Dinamix6000, Dinamix5000, Dinamix4000, DinamixBarWM

Uygulanan Direktifler : Electromagnetic compatibility Directive (2014/30/EU)
Applicable Directives : Machine Safety Directive (2006/42/EU)

Uygulanan Harmonize Standartlar : TS EN 61000-4-2 , TS EN 61000-4-3 , TS EN 61000-4-4 , TS EN 61000-4-5 , TS EN 61000-4-6 , TS EN 61000-4-8 , TS EN 61000-4-11 , TS EN 61000-3-2 , TS EN 61000-3-3 , TS EN 55011 , TS EN 60204-1
Applicable Harmonized Standards

Tarih : 11.12.2019
Date
Ünvan :
Title

Firma Kaşesi :
Company Stamp


ALKUR
KAPI SİSTEMLERİ A.Ş.
Necip Fazıl Blv. Keyap Çarşısı Keçi F2 Blok No: 44/102
34775 - Y - Dudullu - Ümraniye / İSTANBUL
Sergüzel V.D. 055 049 2955 - Tic. Sic. No: 450679
Mersis No: 0055 0492 9500 0020

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