



r-tec - FU CONTOL UNIT MANUAL



TECHNICAL SPECIFICATIONS

Input voltage	220 VAC 50/60Hz (+ -%10)
Motor out voltage	3x220 VAC
Current	10A max.
Output power	2200VA
Output current	50mA
Safety photocell power output	12-24 VAC/DC
Flash lamp	230 VAC 40W
Operating temperature	-20 C ~ 45 C

OPERATING FEATURES

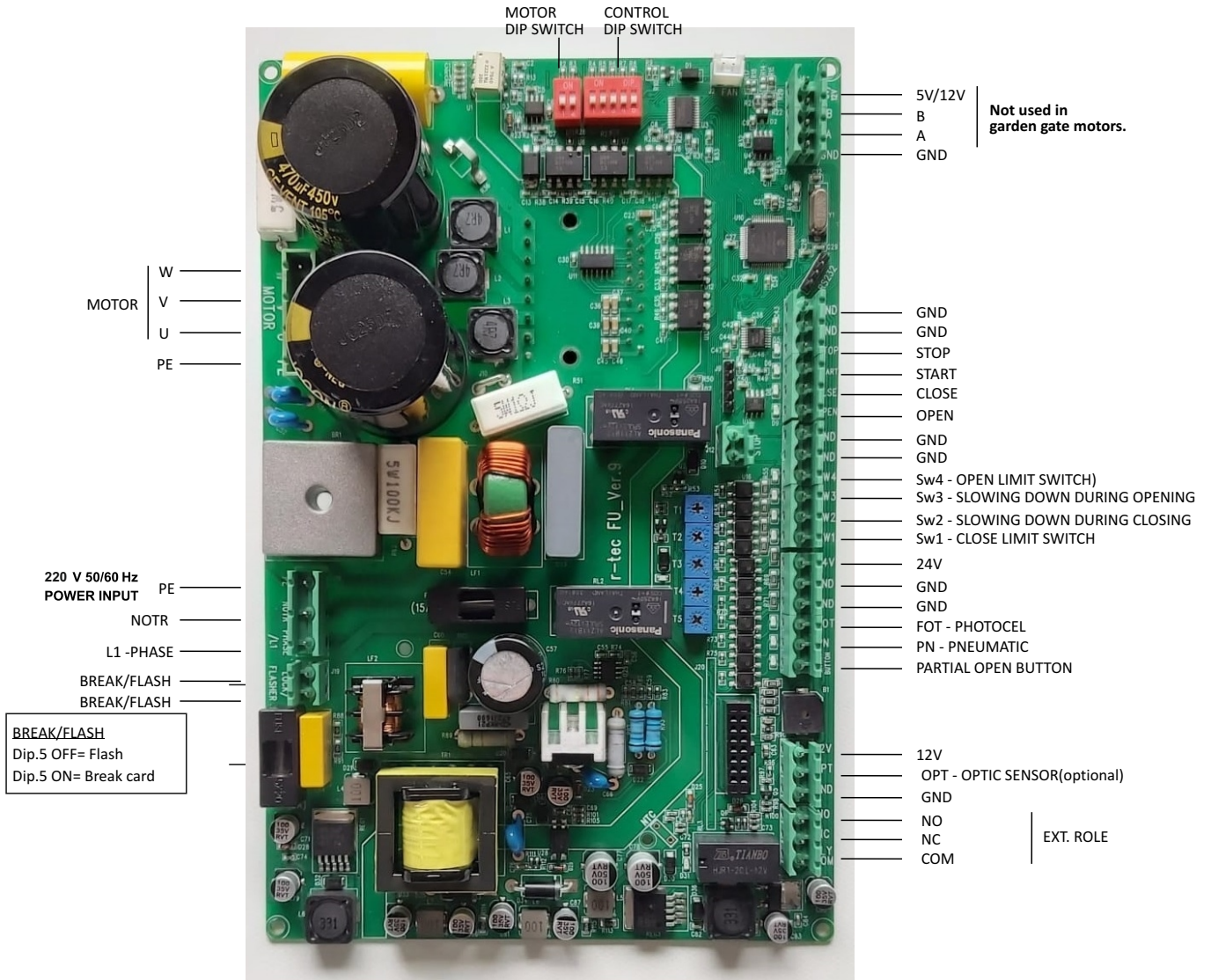
220 V 50/60 Hz Input Voltage: Single phase is used to start the motor. The inverter output starts the motor with 3x220 V energy.

Soft start/soft stop : When the motor starts it moves slowly, then runs fast, and then slows to a stop.

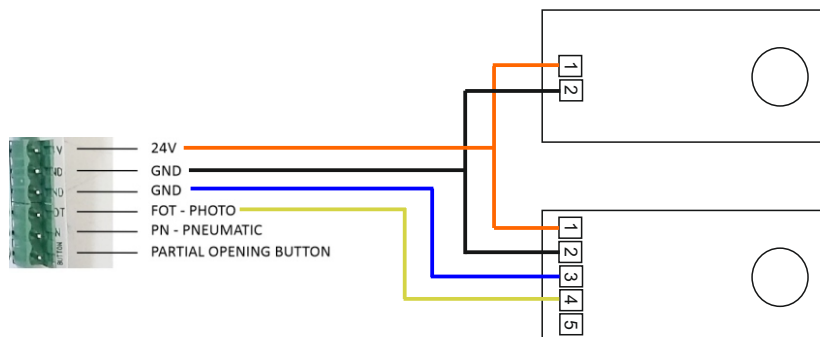
Different speed in opening and closing: Closing speed is 1/3 slower than opening speed.

Automatic close: After the door is opened, it waits for the set time, then goes to close automatically. If the door receives a signal from the photocell on the way to closing, it opens again and counts the waiting time again.

CONTROL CARD CONNECTION

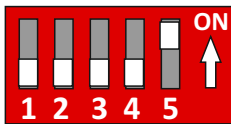


SAFETY PHOTOCELL CONNECTION



DIP SWITCH FONCTIONS

CONTROL DIP SWITCH



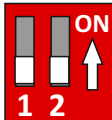
- DIP SW 1 : Automatic closing
- DIP SW 2 : Deadman mode
- DIP SW 3 : ON : Optical sensor active
OFF: Optical sensor passive
- DIP SW 4: Limit and deceleration switches
change direction

(In the factory settings, the motor is set to run in the opening direction. If the motor and photocell are working in the opposite direction;

DipSw4 must be ON and 2 of the motor wires at the motor output terminal must be replaced.)

- DIP SW 5: ON= Hi-speed pvc door system
OFF= Sliding gate system

MOTOR TYPE DIP SWITCH



- | | |
|----------------|---------------|
| DIP SW 1 : OFF | 0,75 KW Motor |
| DIP SW 2 : OFF | |
| DIP SW 1 : ON | 1,1 KW Motor |
| DIP SW 2 : OFF | |
| DIP SW 1 : OFF | 1,5 KW Motor |
| DIP SW 2 : ON | |
| DIP SW 1 : ON | 2,2 KW Motor |
| DIP SW 2 : ON | |

TRIMPOT FUNCTIONS

- T1: High speed when opening
- T2: High speed when closing
- T3: Start frekance
- T4: Deceleration speed
- T5: Automatic closing waiting time

CONTROL CARD SETTINGS

1. Check that the mechanical assembly and parts of the door to be used are complete and trouble-free.
2. The door should be working mechanically comfortably.
3. Check the cable connections.
4. If automatic shutdown is desired, turn on dip switch 1.
5. In the factory settings, the motor is set to run in the opening direction. If the motor and photocell are working in the opposite direction;

DipSw4 must be ON and 2 of the motor wires at the motor output terminal must be replaced.)

RF-433 ROLLING RECEIVER-REMOTE CONTROL OPTIONS

Input voltage	12 Vdc/24Vdc
Current	20mA
Operating temperature	-20C ~ 80C
Relay contact current	4 A
Relay contact time	0,5 sn.
RF Receiver frequency	433 MHz (crystal)
Contact quantity	1 NC*, 1 NO*
Channel quantity	1
Identifiable amount of remote control	For standard receiver : 1 piece = 1 x 2000 = 2000 Copy
	For common receiver : 120 pieces = 120 x 2000 = 240.000 Copy

1. **Standard receiver mode;** 1 gently remote control can be defined to the receiver in the standard receiver location. Provided that the firm and remote control code are the same, 2000 pieces remote controls can be used.
2. **Common receiver mode;** In the common receiver position, 120 pieces different code remote control can be defined provided that the firm code is the same. Each different code remote control must be introduced once. 120 x 2000 = 240.000 controls can be used.

NOTE: You can only introduce the same button of the controls in different codes while in the common

Plug-in external receiver receiver mode Sample: Only Button 1

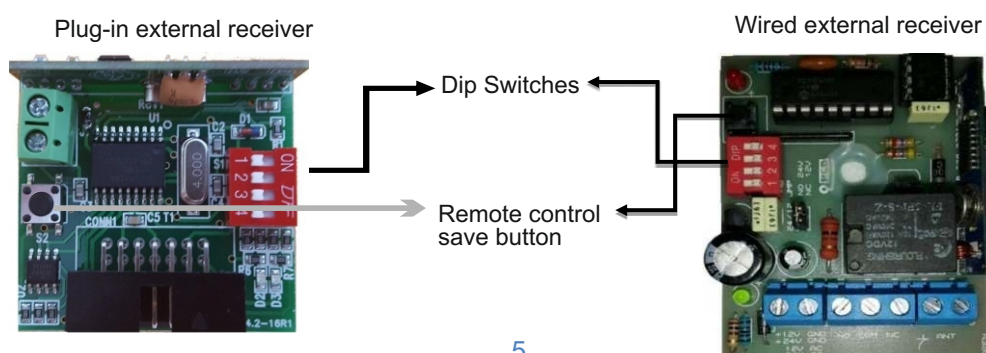
To make the receiver the common buyer;

1. Turn on dipswitch 4 (1 for wired receiver) ,
2. Disconnect operating voltage, turn on again after 5 seconds,
3. The warning led lights continuously for about 20 seconds after flashing 4 times. You can introduce remote controls after the light goes out.

To return from the common buyer to the standard buyer;

1. Turn off dip switch 4 (1 for wired receiver) ,
2. Disconnect operating voltage, turn on again after 5 seconds,
3. The warning led lights continuously for about 20 seconds after flashing 4 times. You can introduce remote controls after the light goes out.

NOTE: When switching between modes, the remote controls used in the old mode are deleted.



RF-433 ROLLING RECEIVER-REMOTE CONTROL OPTIONS

Remote control identification:

ATTENTION! Only one remote control can be defined on a receiver card. The remote control of another company cannot be identified on the receiver card, which has been defined once, even if it is the same type.

1. To define one remote control to the receiver, press the learning button and release the button when the red warning light comes on.
2. Press and hold the button of the remote control (you want to define button).
3. Release the button when the red led on the receiver starts flashing.
4. You can use the remote controls when the led on the receiver goes out.
5. You only need to introduce one of the remote controls in the standard receiver mode. Other remote controls will work because they are copy.
6. In the common recipient mode, it is enough to introduce one gently from one each of the different copies.

NOTE: The receiver does not detect with different codes have remote controls after the first defined remote control code.

Deleting remote controls from memory:

ATTENTION! After the remote control deletion process, only the company that made the first remote control definition to that receiver card can define the new remote control. The receiver unit will not accept the definitions by other companies, even if it is the same type of remote control.

1. Hold down the receiver's learning button
2. The warning led will turn on and off, release the button when it is turned on again.
3. Warning led stays on for 20 seconds and goes off.

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

Dip switch functions; Dip switch 1; common receiver open (dip switch 4 for socket receiver)

Dip switch 4; 5 sec. sends contact through (dip switch 1 for socket receiver))

Warranty:

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

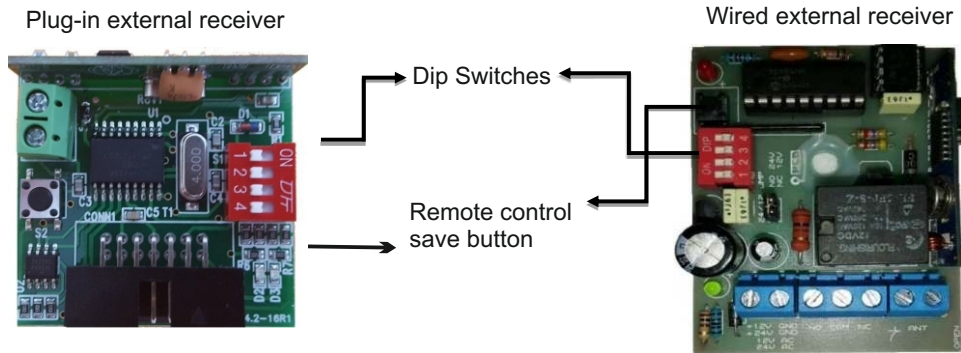
The product should be used in accordance with the instructions for use. Otherwise, problems that may occur are out of warranty.

The product is under warranty only when the card is in the box.

In case of any malfunction, take the product to the technical service in a box. Otherwise, the product is out of warranty.

RF-433 FIX CODE RECEIVER-REMOTE CONTROL OPTIONS

Input voltage	12 Vdc/24Vdc
Current	20mA
Operating temperature	-20C ~ 80C
Relay contact current	4 A
Relay contact time	0,5 sn.
RF Receiver frequency	433 MHz (crystal)
Contact quantity	1 NC*, 1 NO*
Channel quantity	1



Remote control identification:

1. Press the learning button of the receiver and release the button when the red warning led lights up.
2. Press and hold the button of the remote control you want to introduce.
3. Release the button of the remote control when the led on the receiver goes out.
4. **Repeat the same procedure for each remote.** Your remotecontrols are ready to use.

Deleting remote controls from memory:

1. Press and hold the learning button on the receiver.
2. The warning led lights up, then starts flashing. Release the button when blinking starts.
3. When the warning led turns off, the remote controls in the memory will be deleted.

Dip switch fonksiyonları: Dip switch 1 ON; 5 sec. gives contact throughout. (Only in cable receiver), other dip switches are not used.

Warranty:

RF 433 EXTERNAL RECEIVER is guaranteed for 2 years against the problems caused by the material . The product should be used in accordance with the instructions for use. Otherwise, problems that may occur are out of warranty.
The product is under warranty only when the card is in the box.
In case of any malfunction, take the product to the technical service in a box. Otherwise, the product is out of warranty.

FREQUENTLY ASKED QUESTIONS

QUESTION		SOLUTION
You press the opening button but the door is closing	The motor may be upside down.	Turn on the Dip switch 2.
You press the opening button, the door opens but the limit does not stop when the door press the switch	Your mechanical switch may be in a passive position.	Change the limit switch directions.
All connections are correct. The door opens but does not close	There may be a problem in the photocell line.	There may be a problem in the photocell connection or the photocell unit. Check the connections and / or the photocells position. The photocells should definitely see each other. If the problem persists, you need to change the photocells.
The remote control can not be defined	Make sure that it is plugged into the control receiver socket correctly.	Make sure that the receiver is fully inserted into the socket, activate the common receiver mode and try to identify your controller again.
You gave the card electricity, but if no LED lights on the card	The fuse may have exploded.	Check the fuse on the control card If the problem still persists the card may be defective
If the motor is not running at all	Bridges of unused Nc contacts are not inserted	Make sure the jumpers on the control card are plugged in
When the motor is energized and the door is moving in the direction of opening immediately and the switches are not stopping the motor	The relay may be stuck.	The opening relay on the electronic card may be pulled out. If you cut off the energy and gently click on the relay, it will leave. The motor will operate normally.
If the motor is working in one direction when you energize	Switch group may be connected incorrectly	Check the cable connections of the switch group on the motor body.