

# FLUSH MOTOR CONTROL BOARD FOR ROLLER SHUTTER

## ANKPA

USER MANUAL V 1.0



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JANUARY, 2013

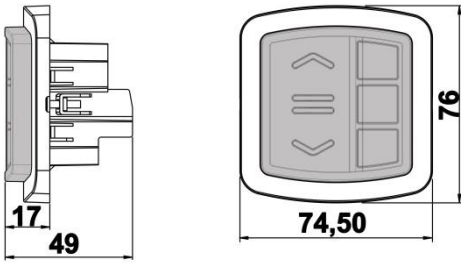
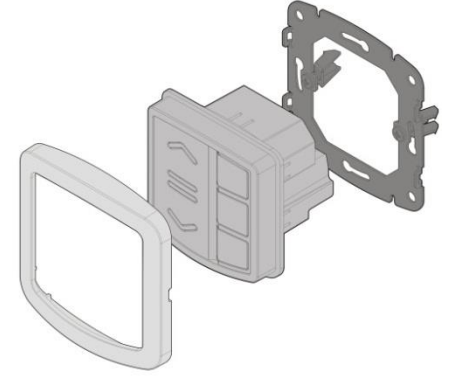
## AREA OF USE

Flush Motor Control Card is particularly intended to control 3-terminal 2-way motors with or without command. Such motors have three terminals for common, forward and reverse rotation. Motor control unit ANKPA which is easy to mount and has an aesthetic look will be a significant solution in such projects. Detailed information related to the product is provided below;

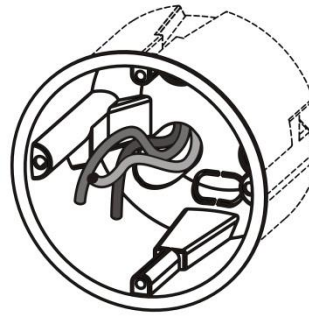
**MAKE SURE THE UNIT IS NOT POWERED DURING INSTALLATION.**

## TECHNICAL SPECIFICATIONS

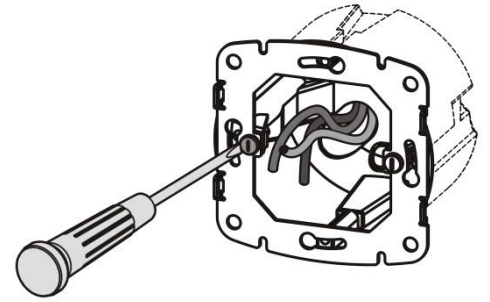
Product name	ANKPA
Dimensions	Height = 76 mm, Depth = 49 mm, Width = 74,5 mm
Operating voltage	220 – 230 VAC 50-60 Hz
No load current	6.5 mA
Maximum contact pull time	120 sec
Operating temperature	-20 °C +55 °C
Contact type	220V AC output
Maximum contact current rating	250V AC 5A
Remote control unit	433.92 MHz. Rolan Series, a maximum of 40 units
Additional features	Flush mounting, LED warning system, fuse protection, global control of all motors in the area with <i>All Up – All Down</i> function.



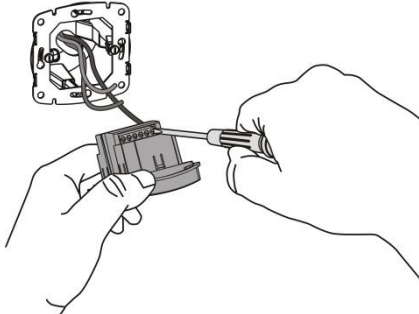
Şekil 1. Dimensions



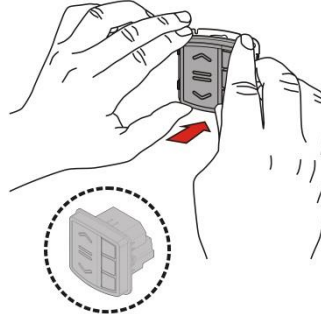
Şekil 2. Motor and power cables inside the junction box.



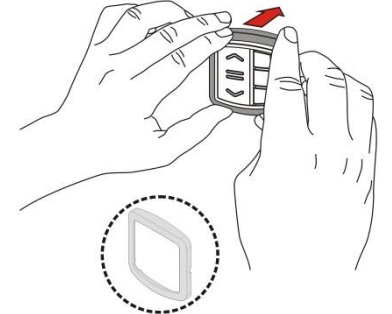
Şekil 3. Mounting the wall fixture on the junction box.



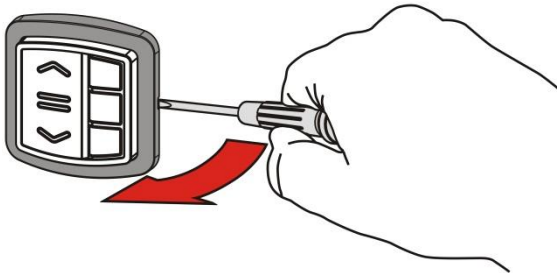
Şekil 4. Connecting the cables from the junction box on the control card terminal block .



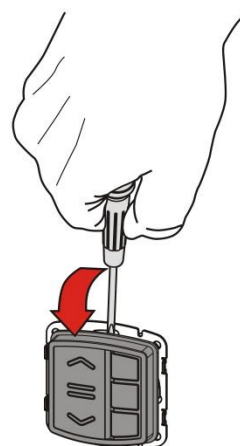
Şekil 5. Inserting the body of the control card into the junction box after cable termination .



Şekil 6. Fitting the external frame on the body of the control card .

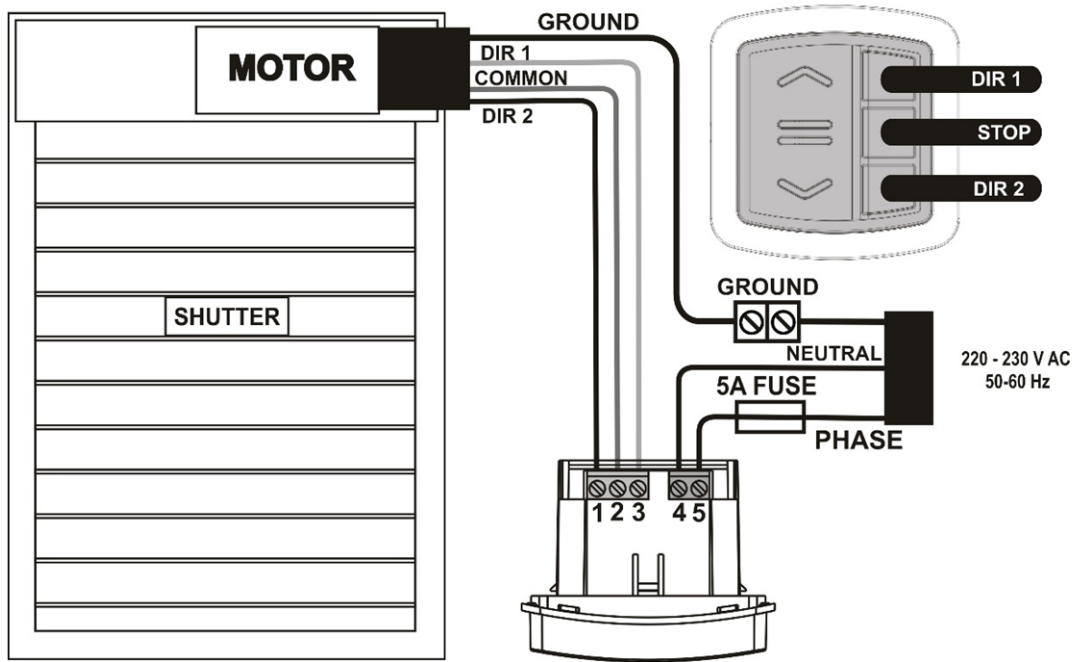


Şekil 7. Positioning the external frame over the control card body .



Şekil 8. Detaching the control card main body from the metal frame of the junction box .




## INSTALLATION



Connecting the roller shutter motor to the control card

### CONTROLLING THE MOTOR WITH CONTROL CARD BUTTONS

Your device starts operation after motor and power connections are made. The middle LED will flash on and off for 5-6 seconds. This indicates that your device is operating normally.




Operating the Motor in the opening direction	Stopping the Motor	Operating the Motor in the closing direction
 <p>Depress and hold the topmost button for about 1 sec. Your motor will be started via terminals 2 and 3, and the LED near the button will light..</p> <p>This output will be active for about 120 sec. Afterwards the output will be deactivated. You can override the 120 sec timer and deactivate the motor output by depressing the middle button. When the motor stops the LED goes off as well..</p>	 <p>Depress the middle button for about 1</p> <p>Output via terminals 1, 2 ve 3 will be deactivated and the LED next to the button will flash briefly, and the motor will be stopped.</p>	 <p>Depress and hold the bottommost button for about 1 sec.</p> <p>Your motor will be started via terminals 1 and 2, and the LED near the button will light.</p> <p>This output will be active for about 120 sec. Afterwards the output will be deactivated. You can override the 120 sec timer and deactivate the motor output by depressing the middle button. When the motor stops the LED goes off as well.</p>

**PS:** Should your motor rotate in the unintended direction, swap the cables you connected to terminals 1 and 3.

### REGISTERING THE REMOTE CONTROL UNIT WITH THE CONTROL CARD

To register the remote control unit go through the following steps:

1. If your device is off connect 220V mains power. All the LEDs will turn on and off in sequence.
2. If there is no remote control unit registered with the system, the middle LED will **flash on and off 3 times** as the control card turns on. If there is already a remote control unit registered the middle LED will **flash on and off once**.
3. After the control unit is on, carry out the following steps:

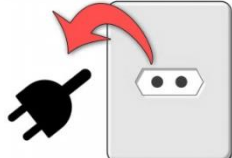

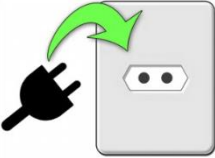


Entering the learning mode	Registering the remote control	Learning procedure
 <p>Depress the middle button for 5 seconds until the UP and DOWN LEDs are both on.</p> <p>When these LEDs are on, the control card is in remote control registration mode and you can remove your finger off the button. In this mode the upper and lower LEDs will switch on and off informing you that it awaits you to press a proper button of the remote control unit that you want to register. Learning mode is active for about 5 seconds. On expiry of this period the control card exits this mode.</p>	 <p>Once the control card enters the learning mode, you must press a proper button of the remote control card within 5 seconds.</p> <p>Press the very button of the remote control unit that you wish to register.</p> <p>The button of the first remote control unit registered with the system <b>determines the operating channel of the control card.</b> You may <b>only program the same button</b> of other remote control units that you register later on.</p>	 <p>When the control card is programmed for your remote control the middle LED will rapidly flash on and off.</p>

4. Failure of the control card to learn your remote control unit can be caused by one of the following reasons:
  - Pressing a wrong button of the remote unit.
  - The remote unit that you are trying to register might have a RECEIVE CODE different from those you had registered before. Your remote units **MUST be programmed by LCD CODER device so as to possess the same receive code.**
  - You might run out of memory of the control card which can register up to a maximum of 40 remote units
  - Control card might have already registered a remote unit from a different manufacturer.
  - Your remote unit might be produced by a different manufacturer, or you might be trying to allocate a wrong channel.
5. After registration you can run your motor in forward, reverse directions or stop it pressing the remote control button you programmed during registration. Forward rotation opens the roller shutters; reverse rotation shuts them.


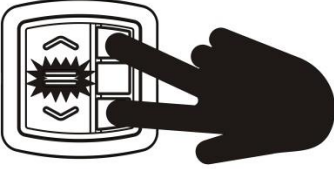

## UNREGISTERING THE REMOTE CONTROL UNITS

Remote control unit registration can be removed from the control card memory in two ways:

### Method 1

Step 1	Step 2	Step 3	Step 4	Step 5
 <p>Remove the power.</p>	 <p>Keep pressing the middle button until Step 5.</p>	 <p>Reconnect the power.</p>	 <p>The middle LED will become on.</p>	 <p>With the middle button still depressed, wait until the middle LED starts flashing rapidly. All remote controls are removed from memory.</p>

### Method 2

Step 1	Step 2	Step 3
 <p>While the card is working, press the middle button until the upper and lower LEDs turn on (5 sec approximately) forcing the control card into learning mode.</p>	 <p>On entering the learning mode, press the upper and lower buttons simultaneously and keep your fingers on them until you are done with Step 3. The middle LED will become on..</p>	 <p>Keep the buttons pressed until the middle LED rapidly flashes on and off (5 sec approximately.) This will unregister all remote units on control card memory.</p>