

AUTOMATE EL MOTORS / PROGRAMMING INSTRUCTIONS

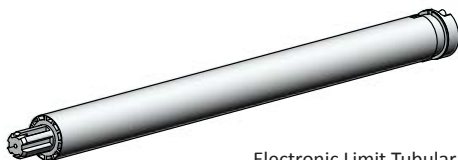
FEB 2014

These instructions show how to install, program and use Acmeda's electronic limit tubular motors:

- Automate EL S45
- Automate Q EL S45 (quiet motor)
- Automate EL S60 (with collision control technology)
- Automate EL A50 (for open awnings)
- Automate EL A50/C (for cassette awnings)
- Automate C EL (Curtain motor)

These motors can be controlled with Automate RF 500 series remote devices:

- Automate RF501 (single channel)
- Automate RF515 (15 channel)
- Automate RF505 (5 channel timer)



Electronic Limit Tubular Motor



RF500 series Remote Control

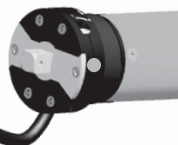
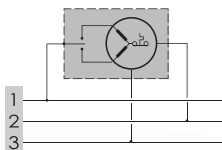
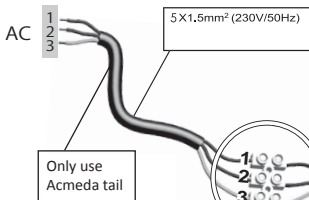
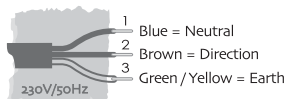
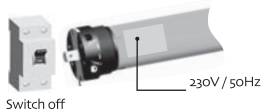


CE

All controls support 433MHz
All controls support 230V/50Hz

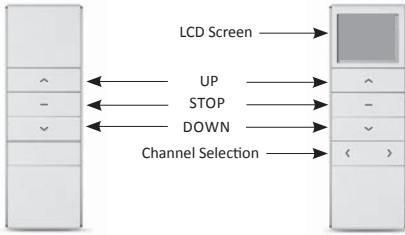
Electronic
Electronic Limit + Built-in Receiver

CIRCUIT INSTALLATION



REMOTE OVERVIEW

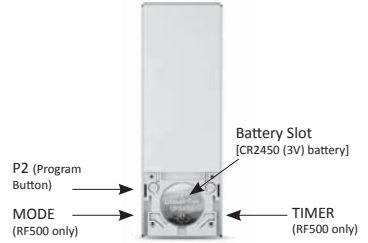
FRONT



SINGLE CHANNEL REMOTE RF501

FIVE CHANNEL TIMER REMOTE RF505
FIFTEEN CHANNEL REMOTE RF515

BACK



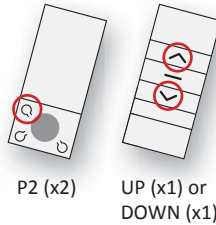
Remove cap to access buttons and battery

BEFORE YOU BEGIN: PLACE CR2450 (3V) BATTERY INTO REMOTE AND CHECK ALL MOTORS ARE SWITCHED OFF WHEN PRESSING BUTTON SEQUENCE ALWAYS PRESS AND RELEASE EACH BUTTON

STEP 1 PAIRING A MOTOR TO A REMOTE

- Switch motor power on (motor will beep & jolt).
- Ensure pairing commences within 10 seconds after motor has completed beeps and jolted.
- Press buttons according to motor and roller position shown below.

		MOTOR POSITION	
		Left	Right
ROLLER ORIENTATION	Back roll	P2 (x2) Up (x1)	P2 (x2) Down (x1)
	Front roll	P2 (x2) Down (x1)	P2 (x2) Up (x1)



Motor will beep with each button pressed. To confirm pairing, motor will beep 3 times and jolt up and down.

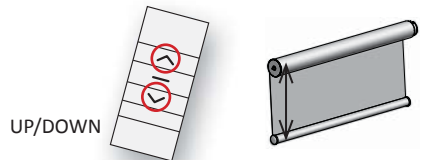
STEP 2 CHECK BLIND DIRECTION

Press UP & DOWN buttons and ensure blind is moving in correct direction.

If working correctly proceed to Step 3.

Up and down buttons only need to be pressed down once.

They do not need to be depressed for blind to operate up and down.



TO CORRECT BLIND DIRECTION

Press button on motor head for 5 seconds to change orientation of blind.

Motor beeps & jolts to confirm change of direction.



Check blind direction again before proceeding to Step 3.

STEP 3

PUT MOTOR IN LIMIT SETTING MODE

- Press P2 button (x1).
- Press UP button (x1).
- Press P2 button (x1).



P2 (x1)



UP (x1)



P2 (x1)

To confirm setting mode, motor will beep 3 times and jolt up and down.

STEP 4

SET UPPER LIMIT FIRST

*To program an A50/C Motor go to Step 5

- Set desired upper limit position first (using UP and DOWN buttons).
- When a more accurate setting is required put motor in Stepping Mode by pressing P2 while motor is moving up/down.
- Once blind is at desired position, press STOP for 5 seconds until motor confirms position.



UP (x1)



Hold STOP for 5 sec

To confirm limit, motor will jolt down and up.

STEP 5

SET LOWER LIMIT

- Set desired lower limit position (using UP and DOWN buttons).
- If needed, put motor in Stepping Mode by pressing P2 while motor is moving.
- Once blind is at desired position, press STOP for 5 seconds until motor confirms position.



DOWN (x1)



Hold STOP for 5 sec

To confirm limit, motor will jolt down and up.

It is possible to programme multiple motors on each channel.

To program another motor on the same channel, turn OFF motor 1, turn ON motor 2 and repeat steps from 1 to 5.

FOR AUTOMATE Q S45 & S60 MOTOR ONLY

SET FAVOURITE POSITION

- Use UP and DOWN to find your favourite position.
- Press STOP for 5 seconds until motor confirms position.

To confirm limit, motor will jolt.

TO SEND BLIND TO FAVOURED POSITION,
PRESS THE STOP BUTTON FOR 5 SECONDS.



UP/DOWN



Hold STOP for 5 sec

LIMITS ARE NOW SET

PROGRAMMING WITH A MULTI CHANNEL REMOTE

A multi channel remote allows you to control several blinds or groups of blinds on one device. Each channel can be programmed like a single channel remote, by following the below instructions.

ONLY ONE MOTOR CAN BE ON

- Ensure MOTOR 1 is ON and all other motors are off.
- Use channel selection arrows to select preferred channel.
- Complete steps 1 - 5 [Programming a remote in five simple steps]

NOTE: If remote is on Channel 0, motor will not pair with remote.

MOTOR ONE



CHANNEL SELECTION



Channel number will display on screen

CHANNEL DISPLAY

It is possible to programme multiple motors on each channel.

- Turn MOTOR 2 ON
- Use channel selection arrows to select NEXT preferred channel
- Complete steps 1 - 5 [Programming a remote in five simple steps]

MOTOR TWO



CHANNEL SELECTION



Channel number will display on screen

CHANNEL DISPLAY

It is possible to programme multiple motors on each channel. Continue to follow the same procedure for more motors.

ONCE ALL BLINDS HAVE BEEN PROGRAMMED, IT IS POSSIBLE TO OPERATE ALL BLINDS TOGETHER

For a 15 Channel Remote: Choose channel 0 to operate all blinds

For a 5 Channel Timer Remote: Highlight all channels by pressing channel selection.



15 CHANNEL



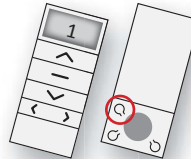
5 CHANNEL

MOTOR GROUP SETTINGS

It is possible to create a subgroup of motors controlled by the same channel.

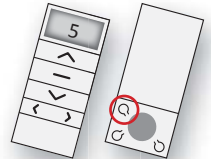
- Press P2 (x2) on channel already programmed (example Channel 1)
- Press P2 (x1) to copy channel settings to group control channel (example Channel 5)

CHANNEL 1



P2 (x2)

CHANNEL 5



P2 (x1)

To confirm channel transfer, motor will beep x3 times and jolt up and down.

MOTOR IS NOW PAIRED TO ANOTHER CHANNEL

REPEAT STEPS A & B TO COPY SETTINGS OF ALL MOTORS THAT ARE PART OF THE SUBGROUP INTO CHANNEL 5

USE THE SAME PROCEDURE TO COPY CHANNEL SETTINGS FROM ONE REMOTE TO ANOTHER.

CANCELLING LIMITS AND REMOTES

To modify limits you need to cancel all limits previously applied, by following the below instructions.

CANCEL LIMITS FROM MOTOR

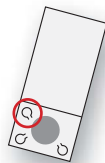
- Press P2 button (x1)
- Press DOWN button (x1)
- Press P2 button (x1)



P2 (x1)



DOWN (x1)



P2 (x1)

To confirm cancellation of remote motor will beep x3 times and jolt up and down.

IF YOU CANCEL LIMITS ON A MULTICHANNEL REMOTE, ALL CHANNEL SETTINGS WILL BE CANCELLED. TO RE-SET LIMITS PROCEED TO STEP 3 OF PROGRAMMING A MOTOR IN 5 SIMPLE STEPS

RETURN TO FACTORY SETTINGS

- Press P2 button (x1)
- Press STOP button (x1)
- Press P2 button (x1)



P2 (x1)



STOP



P2 (x1)

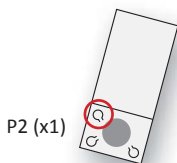
To confirm cancellation of remote motor will beep x3 times and jolt up and down.

TO RE-PROGRAM MOTOR PROCEED TO STEP 1 OF PROGRAMMING A MOTOR IN FIVE SIMPLE STEPS

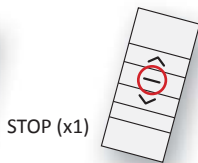
REMOVE COLLISION CONTROL FUNCTION

FOR AUTOMATE S60 MOTOR ONLY

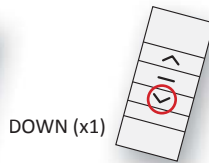
- Press P2 (x1)
- Press STOP
- Press DOWN
- The motor will beep and jolt to confirm that the collision control function has been removed.



P2 (x1)



STOP (x1)



DOWN (x1)

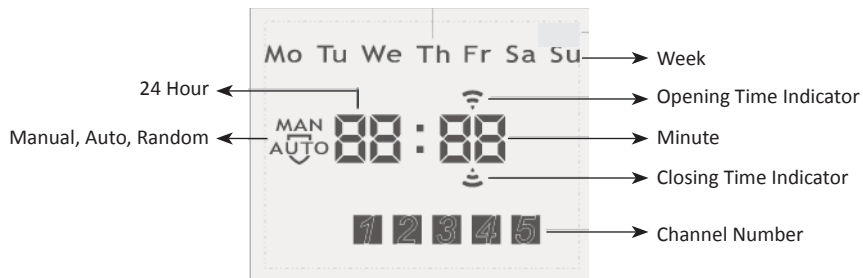
TO RESTORE THE COLLISION CONTROL FUNCTION RETURN TO FACTORY SETTINGS AS SHOWN IN SECTION ABOVE.

FIVE CHANNEL TIMER REMOTE PROGRAMMING

The RF 505 Remote can activate the motor twice a day (Opening Time and Closing Time), each day of the week, at the time set during programming. The remote works in three modes:

- **MANUAL (MAN)** Timer function is not active
- **AUTO (AUTO)** Timer function is active
- **RANDOM (AUTO)** Timer function is active and the remote emits his signals randomly with +/- 15 minutes vs. scheduled time.

Press Mode button repeatedly to switch from one Mode to another. The current setting Mode is displayed on the LCD screen.



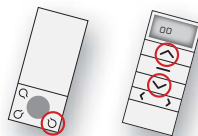
SET THE CLOCK

a. Switch to Manual mode pressing Mode button



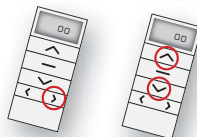
b. Set Hours

- Press Timer button for 3 sec. "Hours" flash on the display
- Press Up/Down button to adjust hours



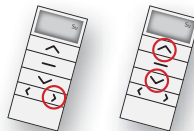
c. Set Minutes

- Press any Channel Selection button; "Minutes" flash
- Press Up/Down button to adjust minutes



d. Set Day

- Press Channel Selection button; "Day" flash
- Press Up/Down button to adjust day



e. Save settings

- Press Timer button for 3 sec. "Hours" and "Minutes" flash simultaneously
- Press Timer once to activate the clock.



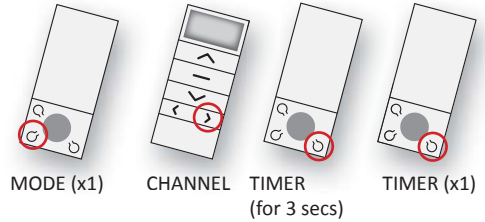
TIMER PROGRAMMING

- TIME DIFFERENCE BETWEEN OPENING AND CLOSING MUST BE MORE THAN 32 MINUTES.

STEP 1 ENTER PROGRAMMING MODE

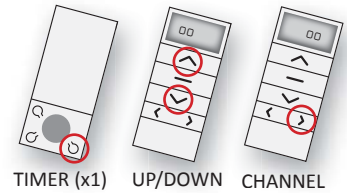
- Switch to AUTO mode pressing Mode button.
- Select a channel (i.e Channel 1)
- Press timer button for 3 seconds.
Default day: Sunday
Default time: 6:30
- Press timer button once.

OPTIONAL: To change the day press the timer button repeatedly.



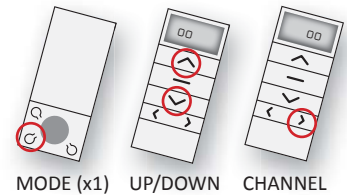
STEP 2 SET OPENING TIME

- 'Hours' flash on the display; use Up/Down button to adjust hours
- Press any Channel Selection once, "Minutes" flash on the screen, use Up/Down button to adjust minutes



STEP 3 SET CLOSING TIME

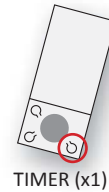
- Press Mode button (Default Closing time is 17.30)
- 'Hours' flash on the display; use Up/Down button to adjust hours
- Press any Channel Selection once, "Minutes" flash on the screen, use Up/Down button to adjust minutes



STEP 4 REPEAT PROCESS FOR EACH REQUIRED DAY

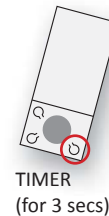
- Press Timer button to select next day
- Repeat Steps 2 & 3 as outlined above for each day of the week.

To avoid programming a certain day, set time to --:-- using Up/Down buttons.

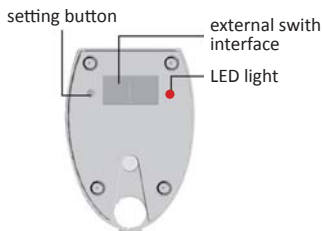


STEP 5 SAVE SETTINGS

- Press Timer button for 3 seconds.
Hours and minutes flash simultaneously and weekly time settings will be automatically saved.

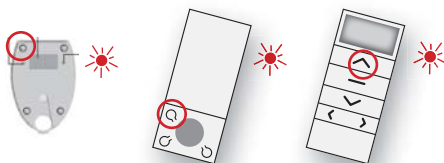


Change Channel and repeat TIMER PROGRAMMING Steps 1-4 to program all other channels (i.e Channel 2-5)
Set the remote on "all channels" to control all motor according to programming.



STEP 1 PAIR MOTOR WITH REMOTE

- a. Press the Setting Button on the motor for approx. 2 secs.
When the LED light flashes, release Setting Button.
- b. Press P2 button on the remote twice.
The LED light will flash every time P2 button is pressed.
- c. Press UP once; the LED will flash five time.

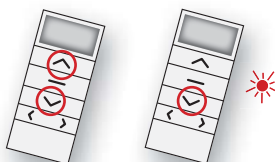


STEP 2 CHECK DIRECTION

- a. Press the UP button. *The curtain should open.*
Press the DOWN button. *The curtain should close.*

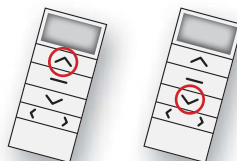
To reverse direction;

- b. Repeat Step 1a - 1b
- c. Press the DOWN button.
The LED light will flash five times.



STEP 3 AUTOMATIC LIMIT SETTING

- a. Press the UP button.
The curtain will hit the edge of the track.
- b. Press the DOWN button.
The curtain will close completely.



STEP 4 SET FAVOURITE (INTERMEDIATE) POSITION

- a. Direct the Curtain to your desired Favourite position using UP/DOWN and STOP buttons.
- b. Press P2 once. *The LED light will flash once.*
- c. Press STOP 5 times.
The LED light will flash every time STOP is pressed (five times).

