AUTOMATE S45, Q S45 AND S60
PROGRAMMING INSTRUCTIONS

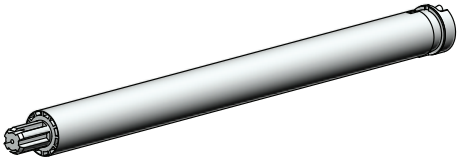
SEPTEMBER 2013

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 (collision control motor).

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

- Automate RF 501 (single channel)
- Automate RF 515 (15 channel)



Electronic Limit Tubular Motor

Remote Control
RF500 series

433MHz

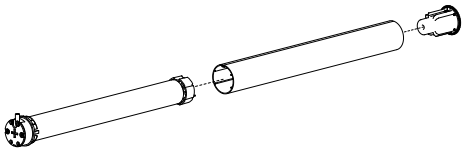
CE
All controls support 433MHz
All controls support 230V/50Hz

Electronic
Electronic Limit + Built-in Receiver

ACMEDA
PRECISION IN MOTION

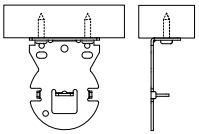
MOTORISED ROLLER BLIND INSTALLATION

1 Ensure motor & idler have been installed into tube on correct sides and adaptor plate is connected.

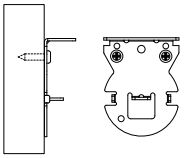


2 Mount brackets into desired position

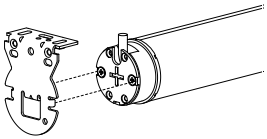
TOP FIX



FACE FIX

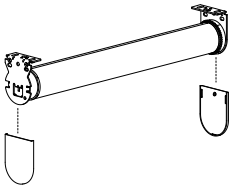


3 Locate blind onto bracket; motor end first. Ensure bracket grooves and tongue meet into slots allocated on disc adaptor.

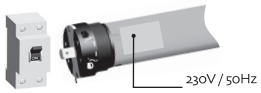


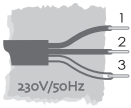
4 Locate idler onto bracket. Pin will click into place.

5 Attach bracket covers (if desired), by sliding cover cap up onto bracket.

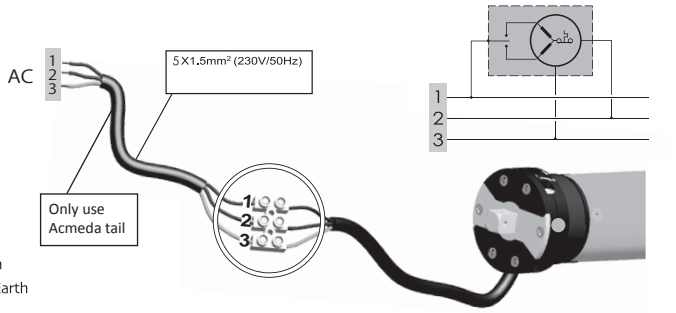


CIRCUIT INSTALLATION





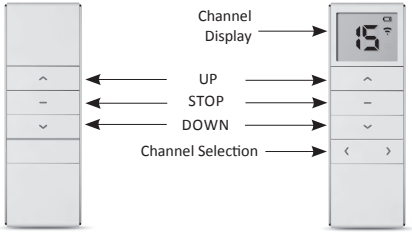
Blue = Neutral
Brown = Direction
Green / Yellow = Earth



PROGRAMMING A MOTOR IN 5 SIMPLE STEPS

REMOTE OVERVIEW

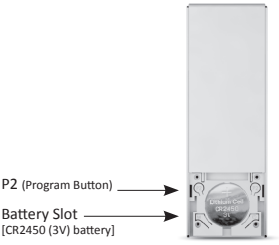
FRONT



SINGLE CHANNEL REMOTE RF501

FIFTEEN CHANNEL REMOTE RF515

BACK



Remove cap to access buttons and battery

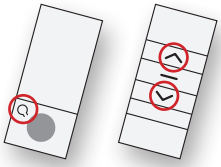
BEFORE YOU BEGIN: PLACE CR2450 (3V) BATTERY INTO REMOTE AND CHECK ALL MOTORS ARE SWITCHED OFF WHEN PRESSING BUTTON SEQUENCE ALWAYS PRESS AND RELEASE EACH BUTTON

STEP 1 PAIRING A MOTOR TO A REMOTE

- Switch motor power on (motor will beep x5 times & 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

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



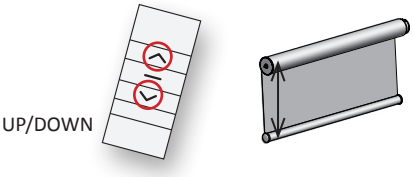
P2 (x2) UP (x1) or DOWN (x1)

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.



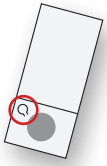
TO CORRECT BLIND DIRECTION

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.

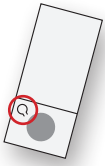
STEP 3 PUT MOTOR IN LIMIT SETTING MODE

a. Press P2 button (x1).
b. Press UP button (x1).
c. 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

a. Set desired upper limit position first (using UP and DOWN buttons).
b. When a more accurate setting is required put motor in Stepping Mode by pressing P2 while motor is moving up/down.
c. 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

a. Set desired lower limit position (using UP and DOWN buttons).
b. If needed, put motor in Stepping Mode by pressing P2 while motor is moving.
c. 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

a. Ensure MOTOR 1 is ON and all other motors are off.

b. Use channel selection arrows to select preferred channel.

c. 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.

a. Turn MOTOR 2 ON

b. Use channel selection arrows to select NEXT preferred channel

c. 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

Choose channel 0 to operate all blinds

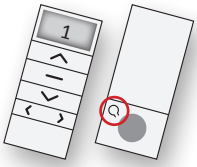
MOTOR GROUP SETTINGS

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

a. Press P2 (x2) on channel already programmed (example Channel 1)

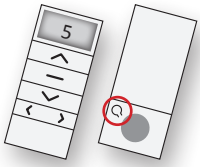
b. Press P2 (x1) to copy channel settings to group control channel (example Channel 5)

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

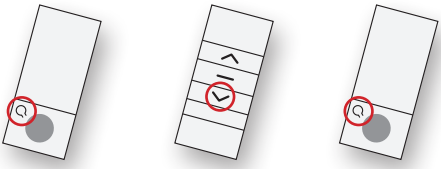
REPEAT STEPS A & B TO COPY SETTINGS OF ALL MOTORS THAT ARE PART OF THE SUBGROUP INTO CHANNEL 5

CANCELLING LIMITS AND REMOTES

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

CANCEL LIMITS FROM MOTOR

a. Press P2 button (x1)
b. Press DOWN button (x1)
c. Press P2 button (x1)



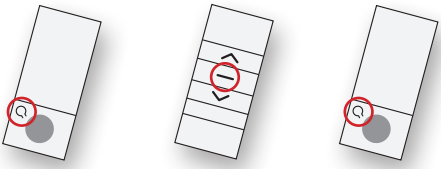
P2 (x1) DOWN (x1) P2 (x1)

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

a. Press P2 button (x1)
b. Press STOP button (x1)
c. Press P2 button (x1)



P2 (x1) STOP P2 (x1)

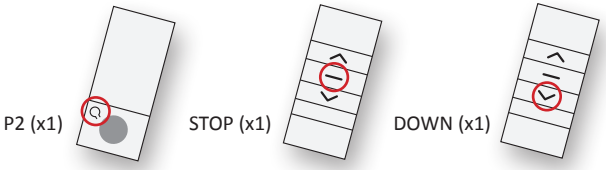
To confirm cancellation of remote motor will beep x3 times and jolt up and down.

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

a. Press P2 (x1)
b. Press STOP
c. Press DOWN
d. 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.

SAFETY ADVICE

This system must be installed by a professional automation installer, for whom these instructions have been prepared.

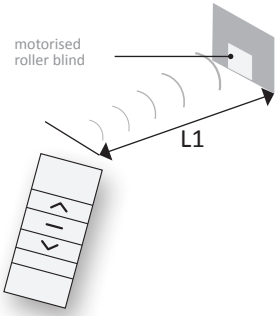
NEVER IMMERSE THE MOTOR IN LIQUID

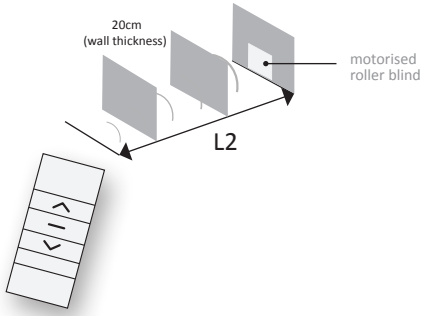
DO NOT DROP IT AND AVOID IMPACTS

DON'T MAKE HOLES IN THE MOTOR

CREATE A PATH FOR WATER TO RUN OFF
TO AVOID CONTACTING MOTOR HEAD

CONTROL RANGE





	L1 OPERATING DISTANCE	L2 OPERATING DISTANCE	EMISSION FREQUENCY
230v/50H	200m	35m	433.92MHz

TECHNICAL DATA

	AUTOMATE S45 EL	AUTOMATE Q S45 EL	AUTOMATE S60 EL
Power supply	230V/50Hz	230V/50Hz	230V/50Hz
Capacity	6Nm 28 Rpm	6Nm 20 Rpm	20Nm 15 Rpm
Frequency	433.92MHz	433.92MHz	433.92MHz
Running time	4 minutes	4 minutes	4 minutes
Operating temperature	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C
Protective rating	IP44	IP44	IP44
Current	0.53 amps	0.57 amps	0.69 amps
Consumption	121 watts	133 watts	161 watts

TROUBLE SHOOTING AUTOMATE S45 & AUTOMATE Q S45

Incorrect operation can often be from incorrect setup of programming. Always read instructions before you begin.
The installer will guide you on how to use the product for worry free performance.

PROBLEM	SOLUTION
Motor does not respond when power is turned on.	1. Check that the power is switched on. 2. Check power connection to unit is completed by certified electrician.
Motor has stopped working.	1. If the motor has been used consistently for four minutes, the motor cuts off for safety reasons. Allow motor to cool down before operating again. 2. Check you are within range of operating motor. 3. Check the remote has full batteries.
The motor does not respond when I use the remote.	1. A light on the single channel remote illuminates when any button is pressed. If the light does not illuminate, check that (a) the battery is inserted correctly and (b) the battery CR2450 needs replacing. On a multi channel remote digital numbers appear. If this is blank, check as above.

FOR INSTALLERS:

PROBLEM	SOLUTION
Motor has stopped working.	1. Check wiring of motor 2. Check power supply specifications 3. Check compatibility of the control 4. Allow motor to cool down if it has been operated for long periods. 5. Check you are within range of operating motor
The motor does not respond when I use the remote.	1. Check if the remote has to be paired to the motor (follow programming instructions to pair motor with remote). Motor limits will need to be reset. 2. On a multi channel remote, if LCD screen remains blank check as above.
Motor is not responding to remote.	1. Check remote has working battery 2. With Single Channel remote ONLY 1 Motor can be programmed at any given time. Check that all other motors are turned off during programming multiple motors on 1 channel. 3. Check surrounding environment for possible RF interference including: door bells, mobile phones, RF house phones, LED and plasma TV's, microwaves, fluorescent lights, lighting dimmers, computers etc. 4. Check motor antenna is not touching metal surfaces of bracketing or window trim or power source wiring.
Blind is operating in opposite direction to up and down buttons.	1. Motor direction orientation needs to be changed. Follow programming instructions Step 2 to change the motor direction. If limits have been set, they will need to be reset after changing orientation of blind.
Motor is moving in step by step mode (not continuously) during programming.	1. When programming the limits of a motor, there is the opportunity to put the motor into a step-turning mode (instead of a continuous turning) for a more accurate setting of the limit. The motor is in this mode because the p2 button has been pressed during the setting of limits (Step 4 & 5). Press the Up or Down button and motor will go back to turning continuously.