



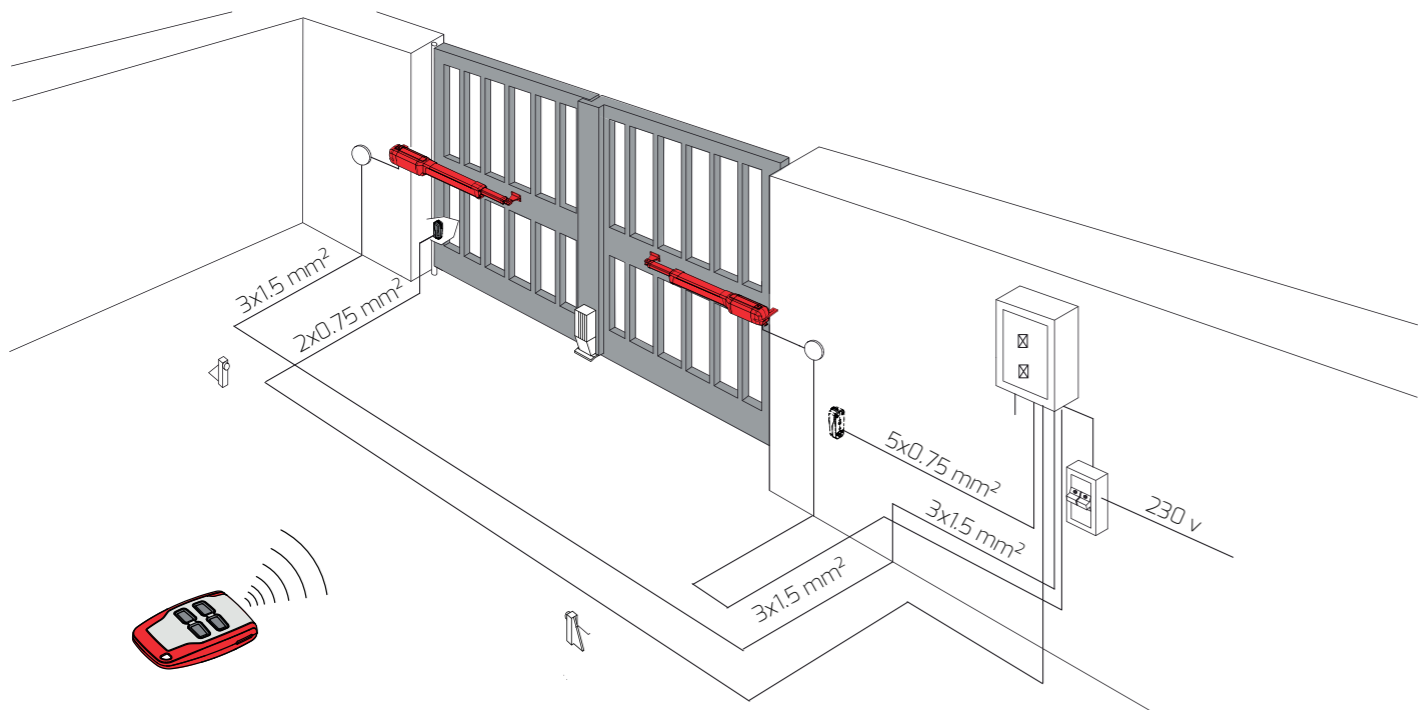
KUSTOS BT A40

FW ≥ 2.05

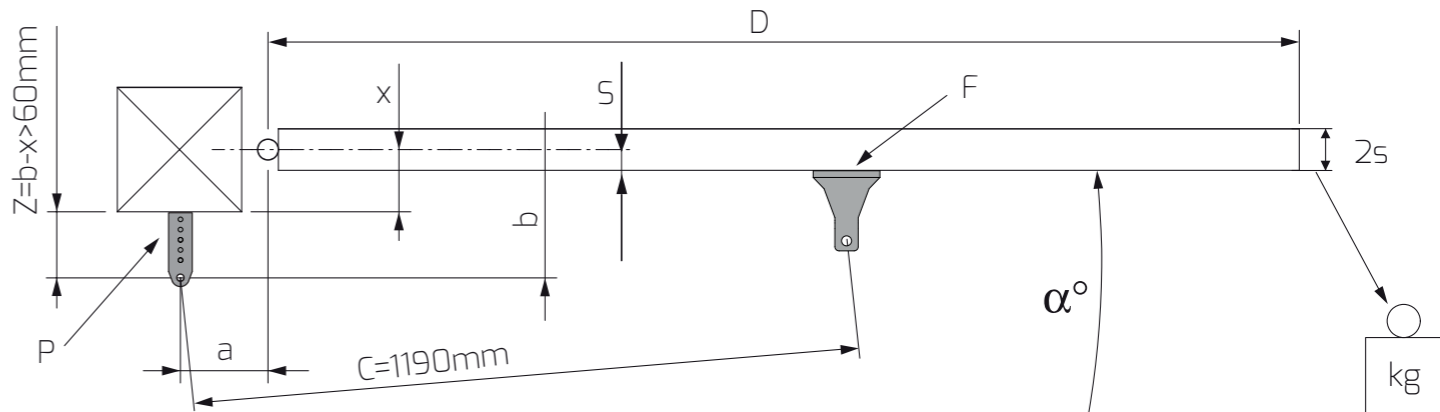
1 Cable run



Use normalised black cables
R02V - H05VVF

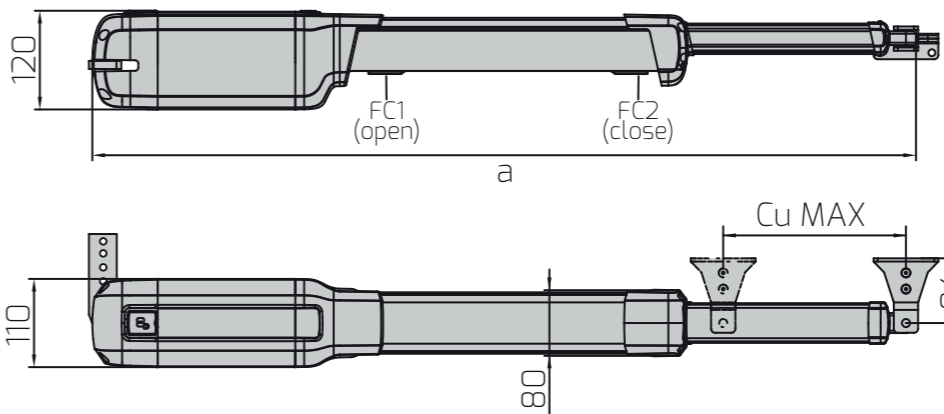


2 Motor fastening



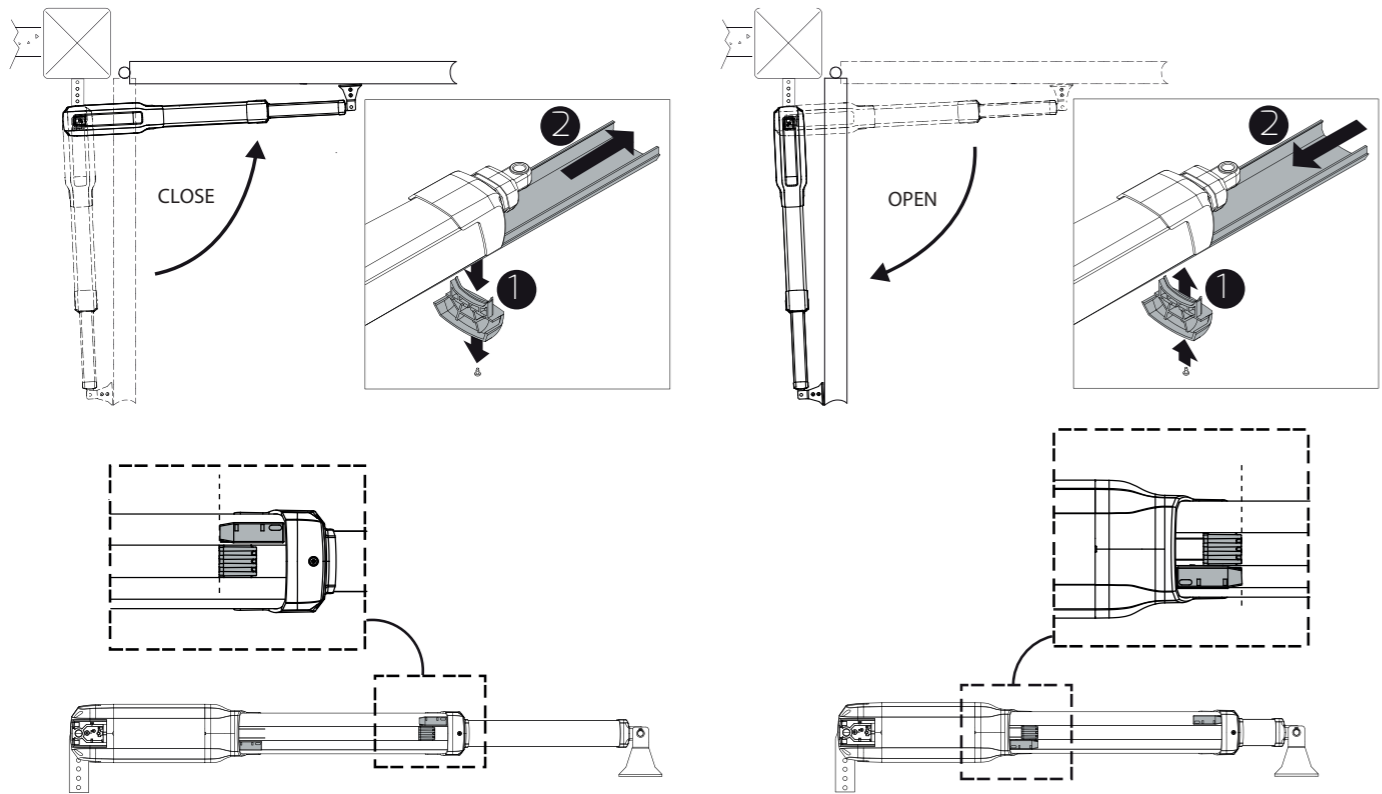
S (mm)	KUSTOS BT A40	
	125 kg (~ 1250 N)	250 kg (~ 2500 N)
b (mm)		
20	130 ÷ 160	170 ÷ 260
30	130 ÷ 170	180 ÷ 260
40	130 ÷ 180	190 ÷ 260

b \ a	100	110	120	130	140	150	160	170	180	190	200	210	220
100					117	123	126	119	113	108	104	101	
110				112	116	119	121	122	116	110	105	102	
120			107	110	114	117	120	117	111	106	102		
130		103	106	109	113	116	117	113	107	102			
140	97	102	105	108	112	115	113	110	103				
150	97	101	104	107	110	113	110	104					
160	97	100	104	107	109	110	105						
170	96	100	103	106	108	105							
180	96	100	103	106	107								
190	96	99	102	105									
200	96	98	101										
210	95	98											
220	95												α°

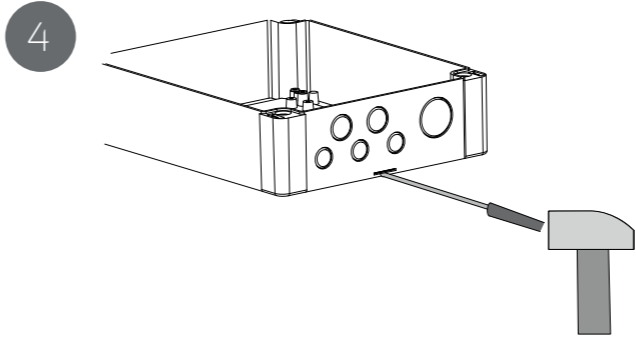


	a	Cu Max
KUSTOS BT A40	1210	355

3 Limit switch adjustment (put motor in gear by moving the panel by hand)

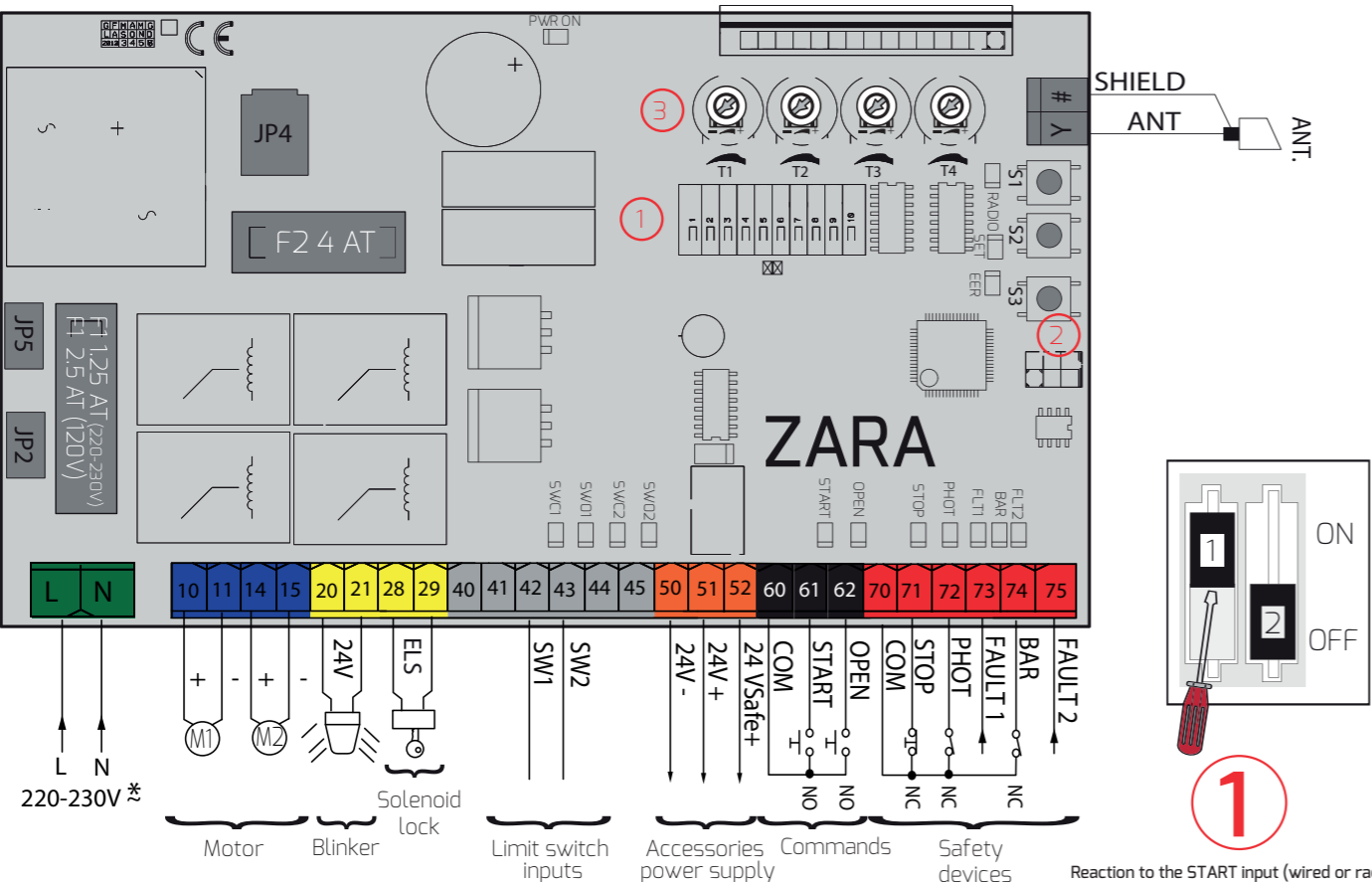


Adjust the limit switches and the stops according to the diagrams, open/closed position.
If necessary, fine-tune the adjustments to be performed upon completion of installation.



5 Programming (see reverse)

Zara Control board



DIP	Function	
1	Transmitter programming	ON: Memorise the commands/copy via remote controls already recorded. OFF: Disables memorizing of transmitters
2	Selection of sensing bars.	ON: Input for resistive edge BK2. OFF: Entry for sensitive lintel.
3	Check photocells.	ON: Enable safety check OFF: Deactivate the cell check.
4	Secure entry check.	ON: Enable safety check OFF: Deactivate the sensing check.
5	Photocells during closing	ON: Invert the movement during the closure phase only. OFF: Active on opening and closing; invert the movement during the closure phase.
6	Safety edge input operation	ON: Safety edge with active reversal only when closing, when opening the movement stops OFF: Safety edge with active reversal in both directions
7	Fast closure.	ON: Closes 3 seconds after the photocells are cleared OFF: Fast closure deactivated.
8	Residential / apartment building operation	Sets the automation type of operation: ON = Apartment building OFF = Residential
9	Hammer during opening	ON: Before opening completely, the gate pushes for approx. 2 seconds as it closes. This allows the solenoid lock to be released more easily. IMPORTANT - Do not use this function if suitable mechanical stops are not in place. OFF: Logic not enabled
10	Closing limit switch pressure	ON: Use when there is a mechanical stop in closed position. This function allows leaves to press against the mechanical stop without the Amperostop sensor interpreting this as an obstacle. Thus the rod continues its stroke for a few seconds after meeting the closing limit switch or as far as the mechanical stop. In this way, the leaves come to rest perfectly against the stop by allowing the closing limit switches to trip slightly earlier. OFF: Movement is stopped only when the closing limit switch trips: in this case, the tripping of the closing limit switch must be adjusted accurately

KEYS	Description
S1	Add Start Key associates the desired key with the Start command.
S2	Add Pedestrian Key associates the desired key with the pedestrian command.
S2 > 5s	Confirms the changes made to parameter settings and operating
S1+ S2 > 10s	Erase List WARNING! Erases all memorized transmitters from the receiver's memory.
S3	Pressed BRIEFLY, it gives the START command. HELD DOWN (>5 sec.), it activates the AUTOSSET function.

TRIMMER	Function	mini	maxi
T1	Waiting time before automatic closing.	0	120
T2	% Force exerted by leaf	10	100
T3	% Slow-down speed	5	50
T4	Motor 1 closing delay time [s]	0	25
	NOTE: set 0 for single motor operations (leaf 1).	0	0

*factory pre-parameterised

Reaction to the START input (wired or radio):

	Residential	Apartment building
CLOSED	Opens	Opens
WHILE CLOSING	Stops	Opens
OPEN	Closes	Closes
WHILE OPENING	STOPS+TCA	No effect
AFTER STOP	Opens	Opens

Reaction to the OPEN input (wired):

	Residential	Apartment building
CLOSED	Opens	Opens
WHILE CLOSING	Opens	Opens
OPEN	No effect	No effect
WHILE OPENING	Keeps it open	Keeps it open
AFTER STOP	Opens	Opens

Reaction to the PEDESTRIAN input (radio):

	Residential	Apartment building
CLOSED	Opens partially	Opens partially
WHILE CLOSING	Stops	Opens partially
OPEN	Closes	Closes
WHILE OPENING	STOPS+TCA	No effect
AFTER STOP	Opens partially	Opens partially

Wire the THEA photocells. 1a

Remove the wire between terminals 70 and 72

DIP3=ON

TX1 RX1

Open the pre-hole for air passage.

Wire the DESME photocells 1b

Remove the wire between terminals 70 and 72

DIP3=OFF

TX1 RX1

2

Testing the direction of opening - running / stop: apply power, motor engaged and at stroke centre.

Checking the direction of rotation. I press S3, my two motors must open.

START STOP

If they close, switch wiring: M1 : 10&11 / M2 : 14&15

M1 closes second.

3

How to programme the remote control

START

Press the 2 top keys simultaneously (hidden key). The LED remains fixed

Choose the key

OK

4

Start an autoset, gate closed.

AUTO OPEN AUTO CLOSE

OK KO

5

How to perform an open/close test by using the remote control.

6

Fine-tune the adjustments. Motor functions using the potentiometers (T1, T2, T3, T4).

Remember to check by pressing S2 for 5 sec.

T1 T2 T3 T4

mini maxi

As an option, to go further....

1 - I wish to deactivate the photocells during opening: Place dipswitch 5 in the ON position.

2 - I wish to activate and adjust automatic closure: This is done by regulating the T1 potentiometer.

3 - I wish to activate pedestrian opening: Please refer to the remote control programming by pressing S2.

4 - I wish to adjust the time difference between M1 & M2: This is done by regulating the T4 potentiometer.

2

3

3