E5 BT A
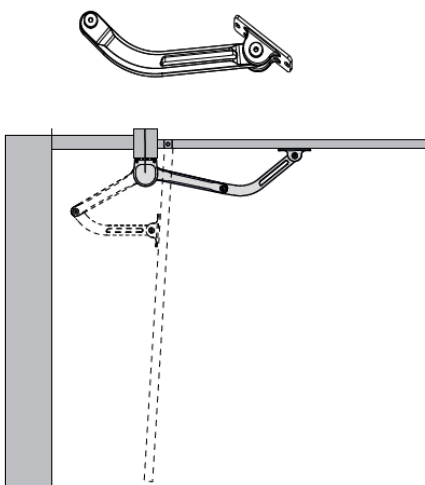

Please note this is a quick set up guide only and we highly recommend reading the full instruction manual.
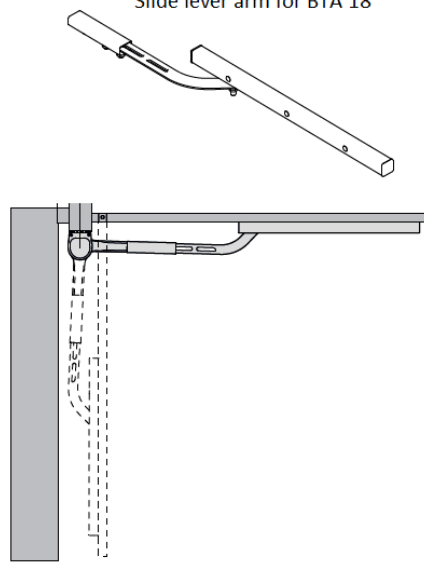
*** Never run these motors upside down ***

The new E5 BTA 12 /18 motors are a 24V DC NON-LOCKING swinging gate operator. The motors are powered by a separately mounted Thalia controller and both motors require 5 wires (2 x 1.5mm for the motors and 3 standard security cables for the limits). The E5 BT A12 is designed for pedestrian gates up to 1.2m and 80kgs (with the unique "Push & Go" feature) whereas the E5 BT A18 is designed for vehicle gates up to 1.8m and 100kgs.
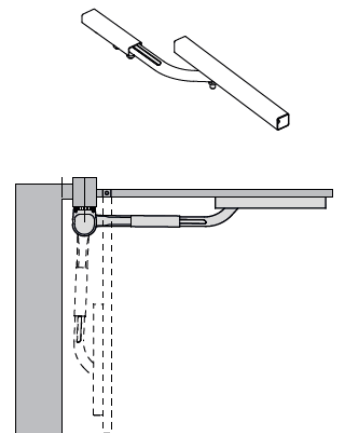
MOUNTING GEOMETRY OPTIONS
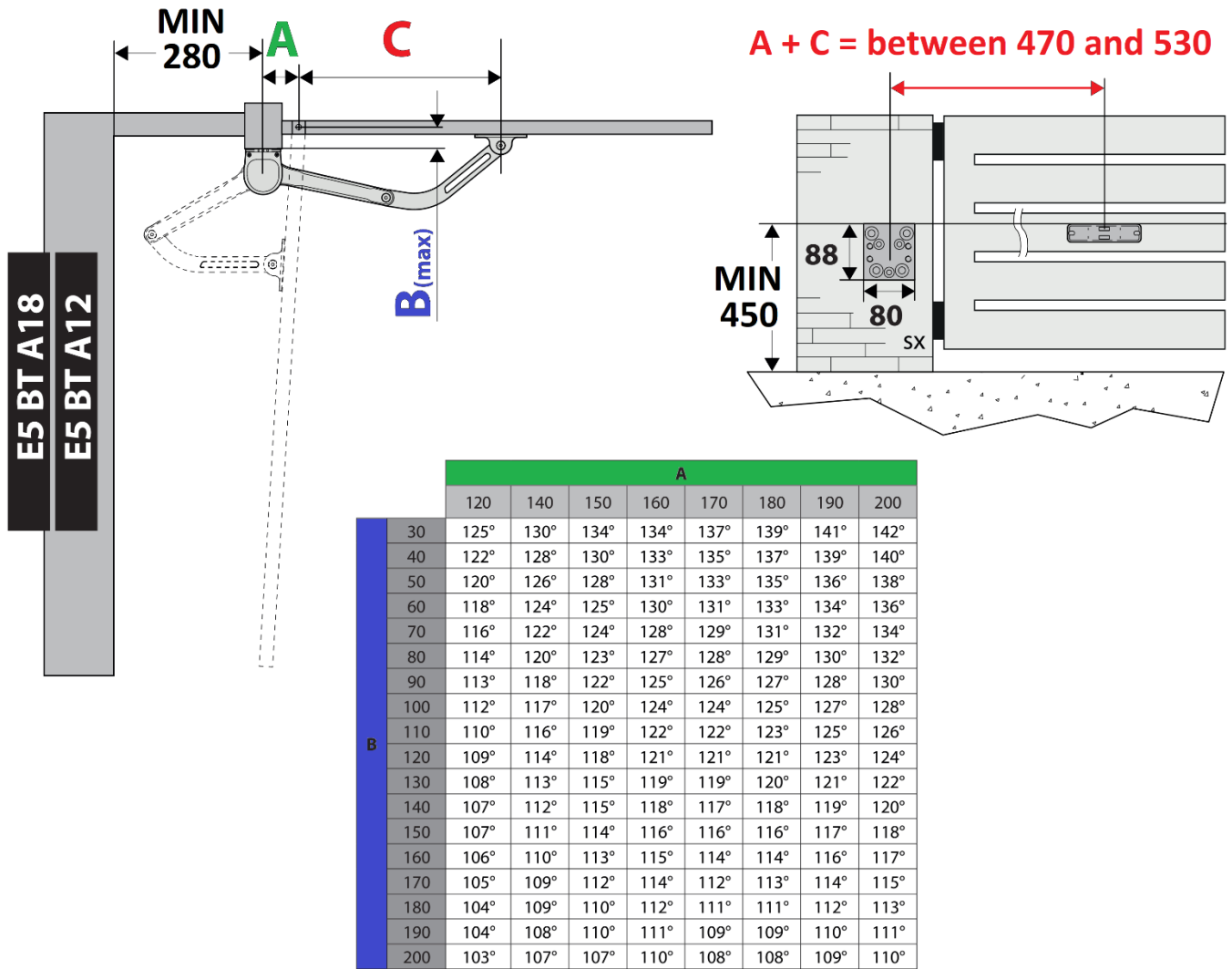
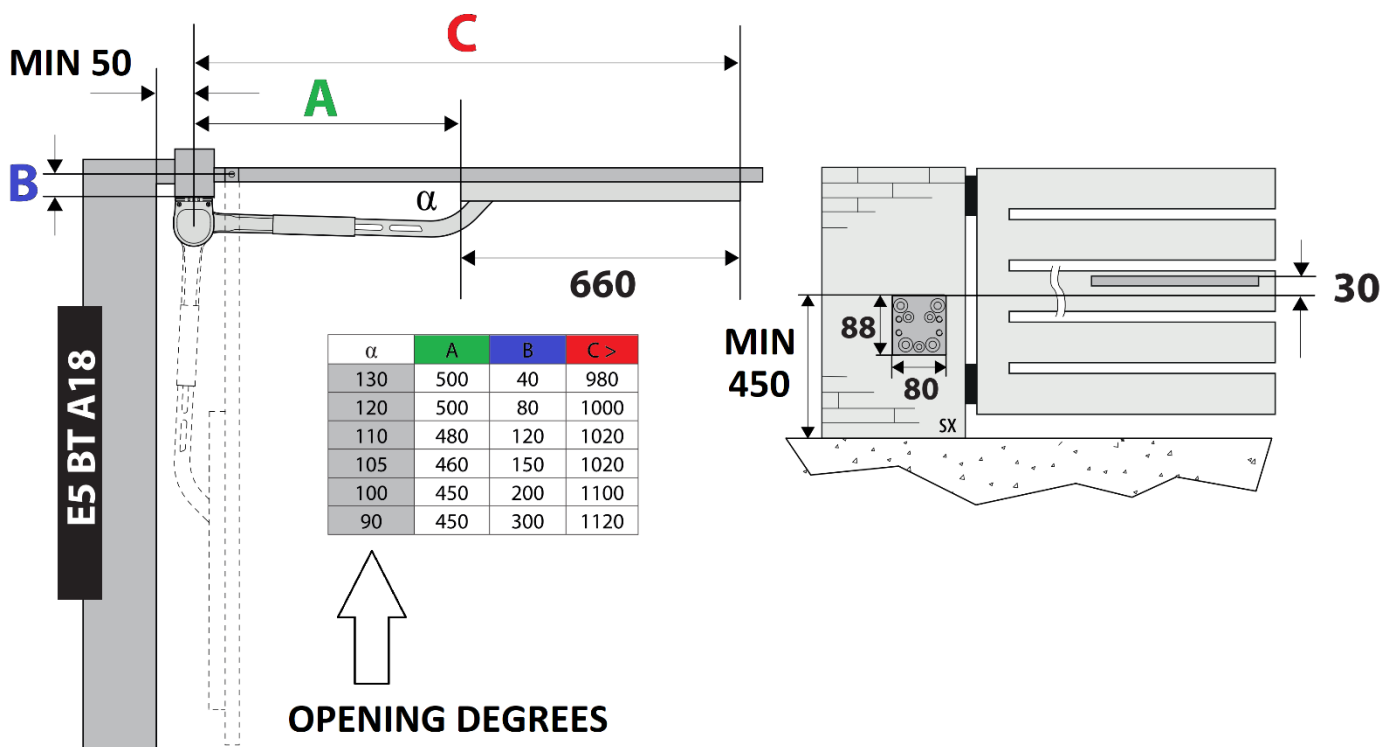| Articulation lever arm for BTA 12 / 18	Slide lever arm for BTA 18	Slide lever arm for BTA 12

MOUNTING THE ARTICULATION LEVER ARM
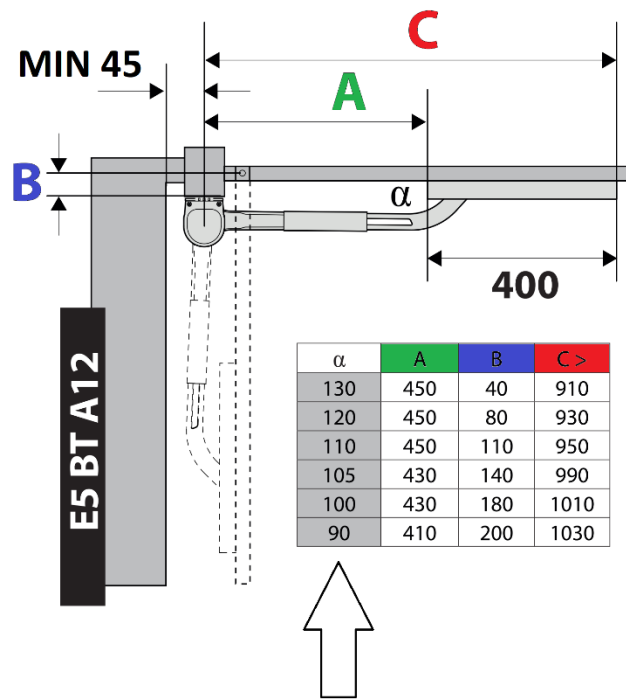

MIN 280 A C $B_{(max)}$

E5 BT A18 E5 BT A12

A + C = between 470 and 530

MIN 450 88 80 SX

A							
120	140	150	160	170	180	190	200
125°	130°	134°	134°	137°	139°	141°	142°
122°	128°	130°	133°	135°	137°	139°	140°
120°	126°	128°	131°	133°	135°	136°	138°
118°	124°	125°	130°	131°	133°	134°	136°
116°	122°	124°	128°	129°	131°	132°	134°
114°	120°	123°	127°	128°	129°	130°	132°
113°	118°	122°	125°	126°	127°	128°	130°
112°	117°	120°	124°	124°	125°	127°	128°
110°	116°	119°	122°	122°	123°	125°	126°
109°	114°	118°	121°	121°	121°	123°	124°
108°	113°	115°	119°	119°	120°	121°	122°
107°	112°	115°	118°	117°	118°	119°	120°
107°	111°	114°	116°	116°	116°	117°	118°
106°	110°	113°	115°	114°	114°	116°	117°
105°	109°	112°	114°	112°	113°	114°	115°
104°	109°	110°	112°	111°	111°	112°	113°
104°	108°	110°	111°	109°	109°	110°	111°
103°	107°	107°	110°	108°	108°	109°	110°

(B rows: 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200)

MOUNTING THE BT A18 SLIDE LEVER

MIN 50 C A B α E5 BT A18 660

MIN 450 88 80 SX 30

α	A	B	C >
130	500	40	980
120	500	80	1000
110	480	120	1020
105	460	150	1020
100	450	200	1100
90	450	300	1120

OPENING DEGREES

MOUNTING THE BT A12 SLIDE LEVER

| α	A	B	C >
130	450	40	910
120	450	80	930
110	450	110	950
105	430	140	990
100	430	180	1010
90	410	200	1030
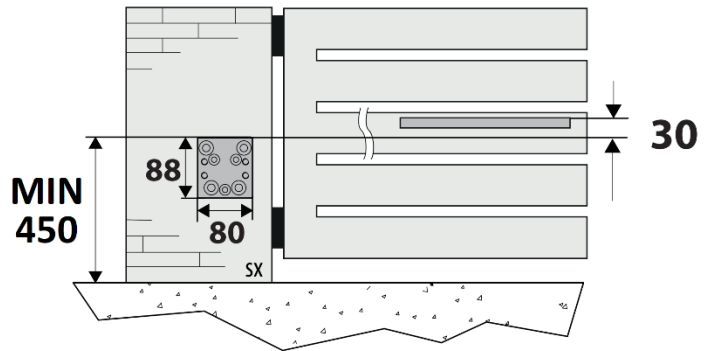
OPENING DEGREES

CONNECTING THE MOTORS TO THE CONTROLLER

These motors are a 5-wire system, 2 cables are for the motor drive (positive and negative) and should be a minimum of 1mm to 1.5mm square, and 3 wires are for the limits (encoder).

You can either run two cables, a 2 core 1.5mm sq. cable for the motor and 3 core security cable for the limits or just one cable of 5 cores at (1mm sq. each) which will cover both motor and limits.
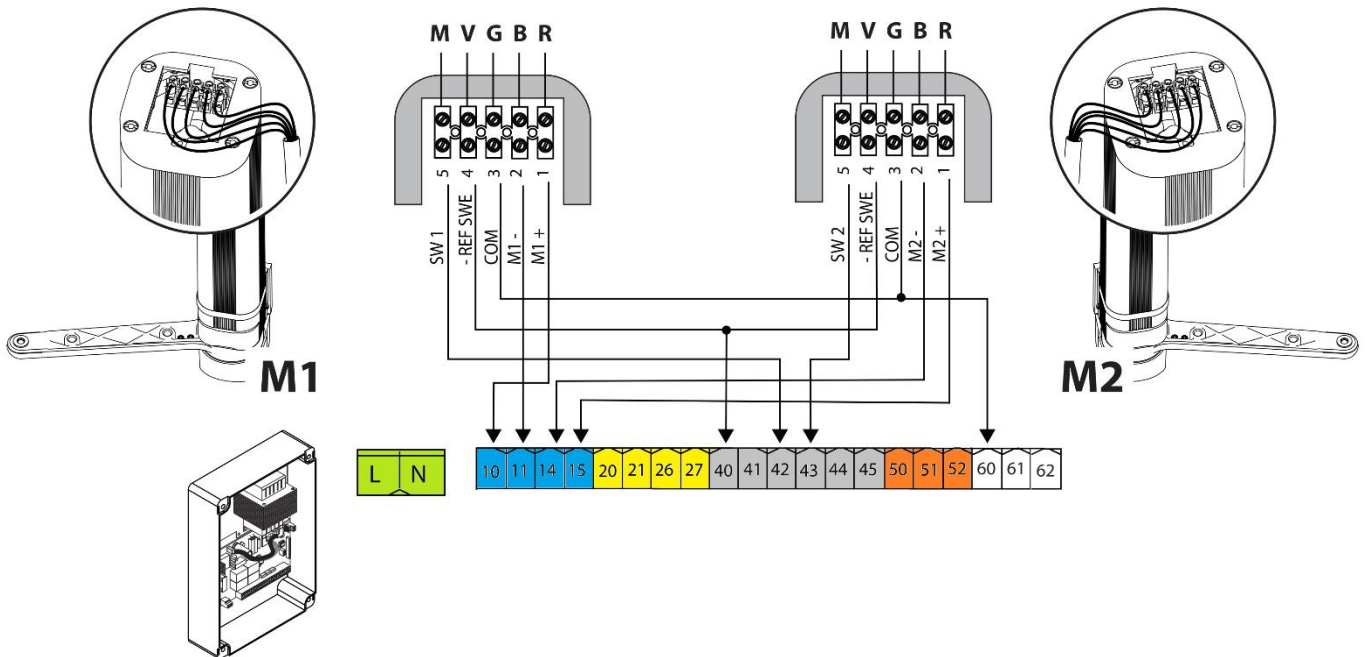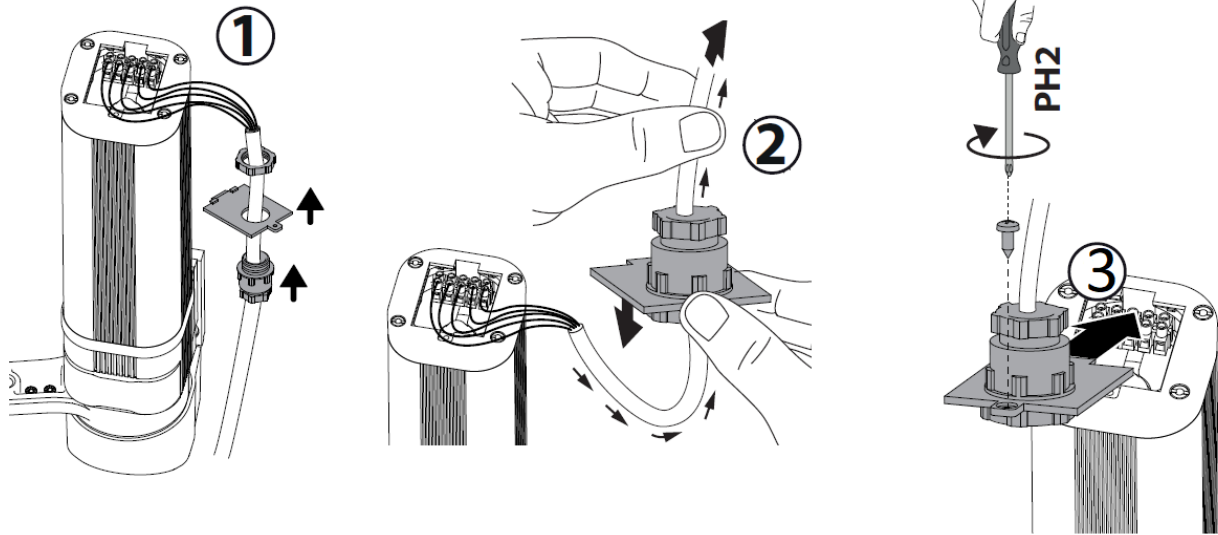
PROGRAMMING THE MOTORS ON THE CONTROL BOARD

Once the motors are wired up, set both gates into the closed position and proceed through the simplified menu of the control board.

Procedure:

1) Press the OK button once and the display will read "LANGUAGE" and then "ITA" (for Italian). By using the middle button, you can scroll down to "ENG" (English) and press OK.

2) Display will now change to "TYPE", this is where you have to select what type of motors you are running. Remember this is a generic board for around 16 different swing gate motors, so by using the + and – buttons you can scroll down to find "E5 BT A18" or "E5 BT A12" depending on which motors you have and then press OK.

3) Display will now change to "NO. OF MOTORS " and here you can select one or two and then press OK.

4) Display will now change to "DIR" where you can set the direction of the gates. "INT" for inward openings or "EXT" for outward openings and then press OK.

5) Display will then read the word "PRESET" and then it changes to "AR" which stands for automatic residential, meaning the auto close is ON and the gate will close automatically after 10 seconds. If you scroll down once to "SR" which stands for semi- automatic, it means that you need to press the button on the remote control to open and close the gate. Once you have chosen the desired option, press OK.

6) Display will take a few moments to program the settings and it should read "PRG" and then switch to "OPN1" meaning open gate 1. At this point, manually open gate 1 (motor 1) to the open position and press OK. The display should change to "OPN2" then repeat with gate 2, open it to the open position and press OK.

7) Now the display will read "CLN2", so manually close gate 2 to the desired close position and press OK. Repeat it by closing gate 1 to the closed position and press OK.

8) Display should then read "OK" meaning all good. If display reads "ERSU" or "KO" there is a problem and possibly you have wired up the motors incorrectly.

9) Now press OK and display will change to "AUTOSET". Press OK and the motors will run through an automatic set up.

10) After the Autoset the display should read "OK" and you can now program your remote controls.

11) Once you have programmed all your remote controls, press OK and the display reads "END" and then "O O" if the gate is in the open position or "C C" if the gate is in the closed position.