Machine T

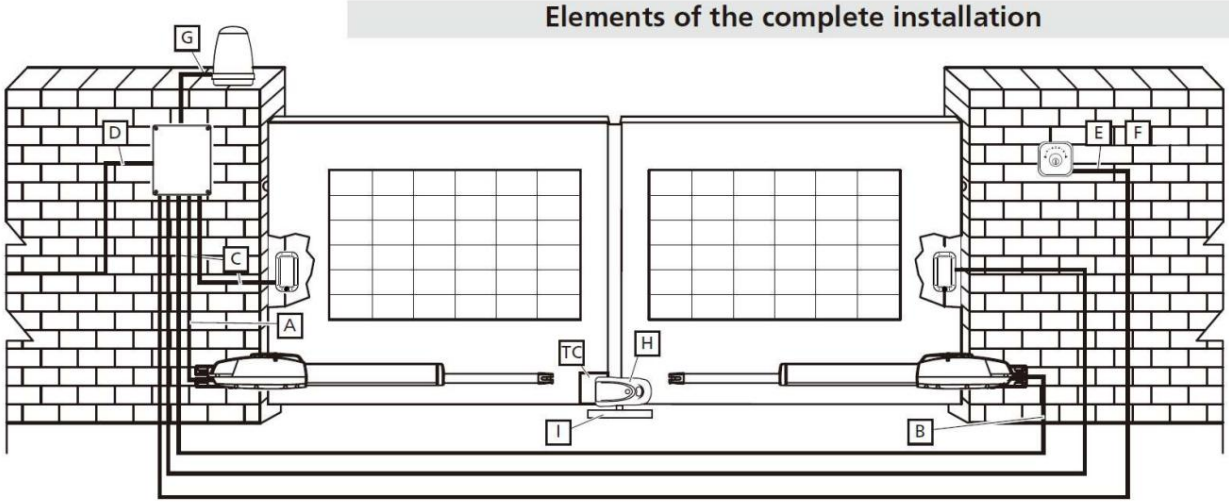
KA3324C

Průvodce rychlou instalací

CZ

WARNING This quick guide is a summary of the complete installation manual. The manual contains safety warnings and other explanations which must be taken into account. The installation manual can be downloaded by going to the "Downloads" section of Erreka website:
http://www.erreka-automation.com

Elements of the complete installation



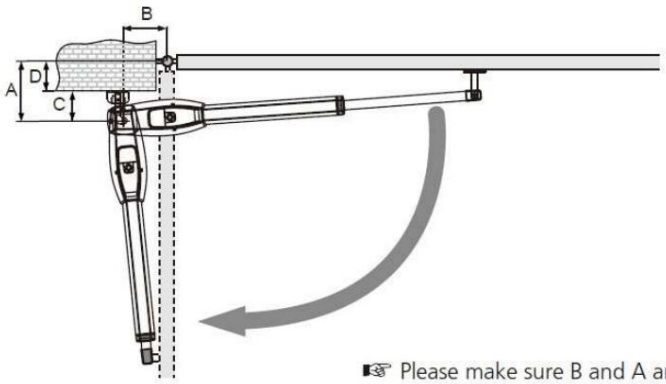
Electrical Wiring

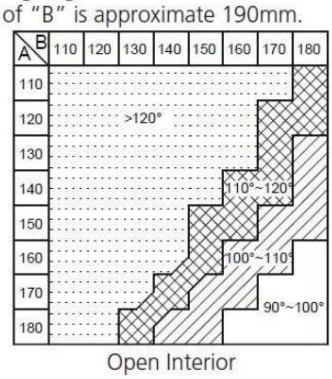
A.B: 24v DC Motor(2x1mm²)
C: Photocell 2x0.5mm² (max 20m)
D: Control Box (3x1.5mm²)
E: Push Botton 2x0.5mm²(max 25m)
F: Key Selector(2x0.5 mm²)
G: Flash Light (2x0.5mm²)
H.I: Electric Lock (2x1mm²)
TA: Open Stopper
TC: Close Stopper

Assembly levels, inward opening

KAIROS It is not applicable to an insecure or lacking rigidity door nor solves the defects due to incorrect installation or maintenance deficient.

Check the following points before starting the installation:
1). Hinges are properly positioned and greased.
2). No obstacles in the moving area and no frictions between two gate leafs or with the ground while moving.
3). "C" value is 139mm.
4). "D" can be measured from the gate easily.
5). "A" = "C" + "D"
6). The value of "B" can be calculated from the value of "A" and the leaves opening angle.
Ex. If "A"=160mm with the leaves opening angle of 100 degrees, then the value of "B" is approximate 190mm.



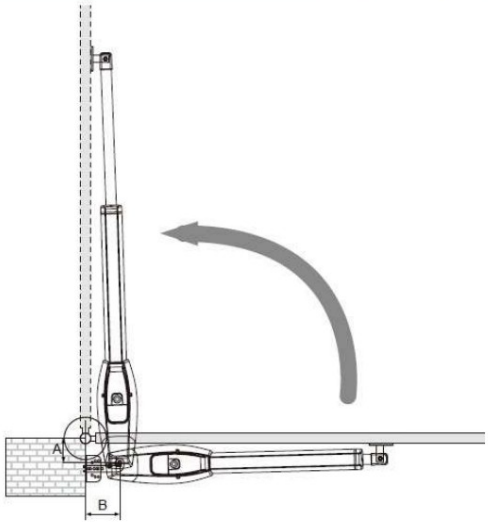


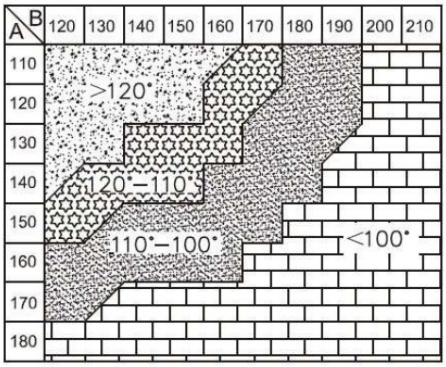
Open Interior

☞ Please make sure B and A are similar or the same in value that the leaves can be operated smoothly, also to reduce the burden of the motor.

M05B-0XX/

Assembly levels, outward opening





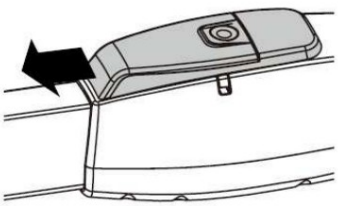
Open Exterior

☞ Please make sure B and A are similar or the same in value that the leaves can be operated smoothly, also to reduce the burden of the motor.

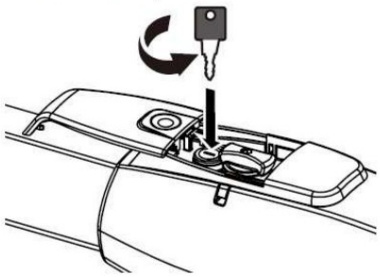
Unlocking

Unlocking for manual operation:

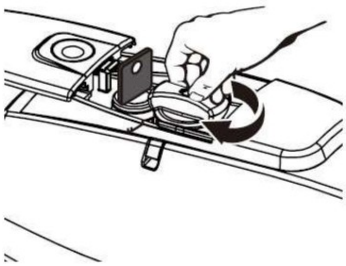
1 Push the lid of release chamber



2 Insert the key and turn counterclockwise to the unlock position

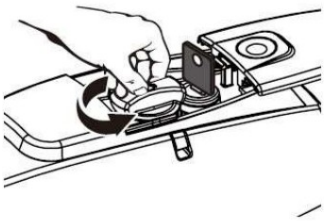


3 Then turn clockwise the knob to release the motor.

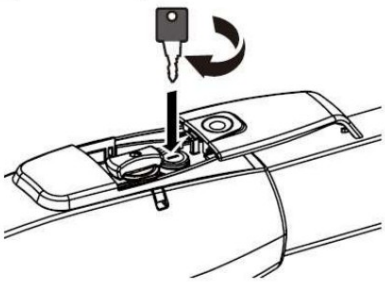


Motorised operation locking:

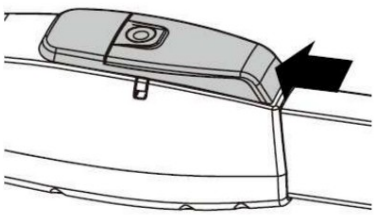
1 Turn counterclockwise the knob.



2 Insert the key and turn clockwise.



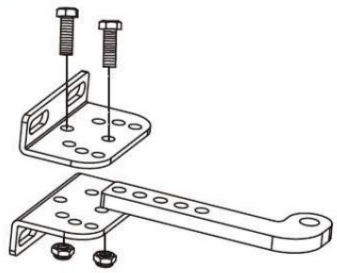
3 Close the lid of release chamber.



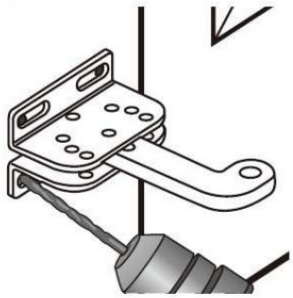
Assembly

Assemble the rear bracket and fix it on the pillar. Choose the position according to the table" dimensions and mounting position.

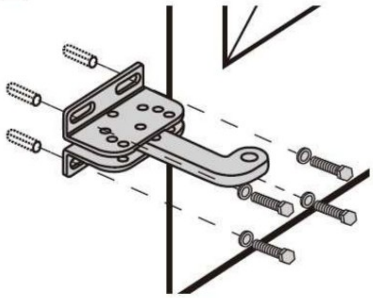
1



2

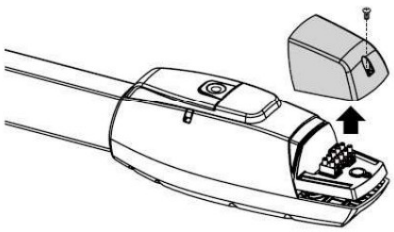


3



Remove the wire cover and fix the rear bracket with the pin. Release the gate opener with the door in closed position. Place the front bracket without fixing it.

4



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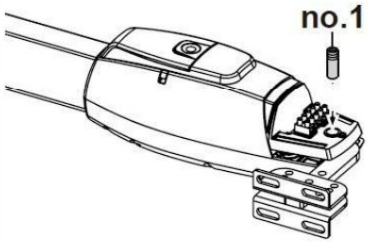

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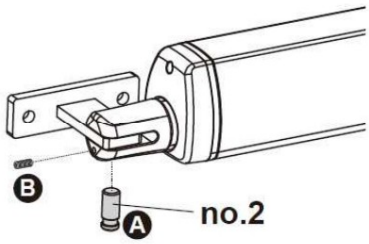
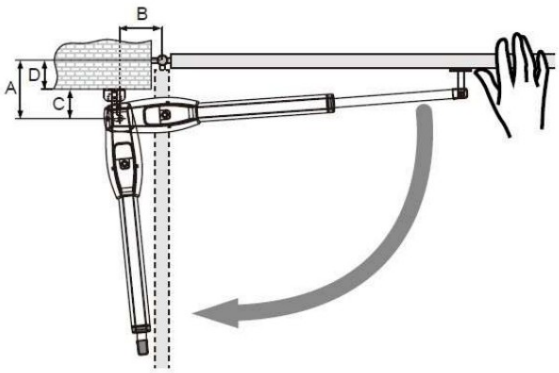
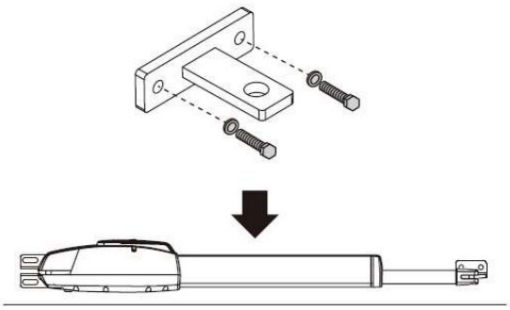


7 Check the door manually which can be moved easily in entire route.



8 Fix the front bracket. Check the motor is completely leveled.



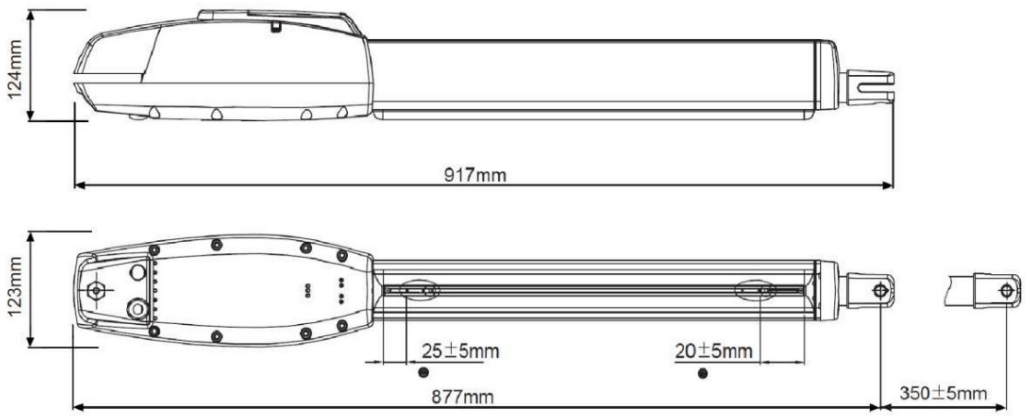
Horizontal 180°

☞ **Block the motor and make the electrical wiring. To connect the cables M1 and M2 correctly. If you only install one gate, connect the wires to the terminal M1.**

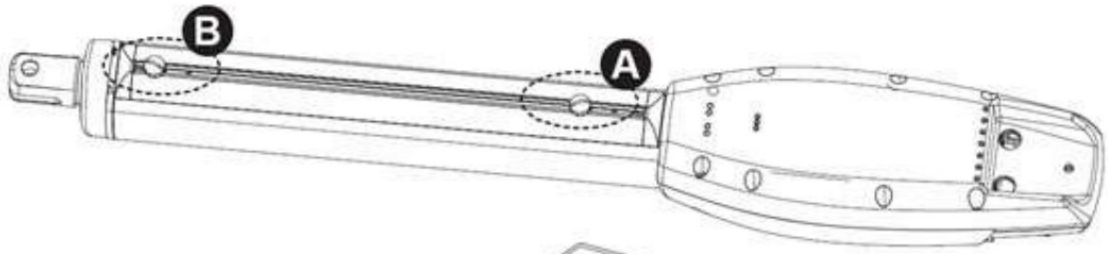
Technical Features

Max gate length	3m
Max gate weight	300kg
Power supply	110V/230VAC (50-60Hz) SMART-D201M / SMART-D201
Motor power supply	24VDC
Gear Type	Worm and worm gear
Peak Thrust	3000N
Normal Thrust	2500N
Operation Stroke	350mm
Piston extention	25.5mm/sec
Opening Time	<14 sec
Duty Cycle	20%
Protection Grade (IP)	IP44
Operation temperature	-20°C~50°C
Absorbed current (A)	5,5 A for a 10 sec. max.
Absorbed Power (W)	144W
Manual Release	key
Dimensions	917mm * 123mm * 124mm

Dimensions



Limit Switch Regulation

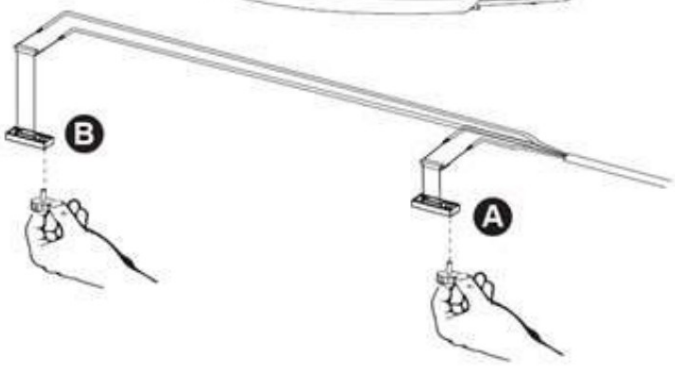


Opening position:

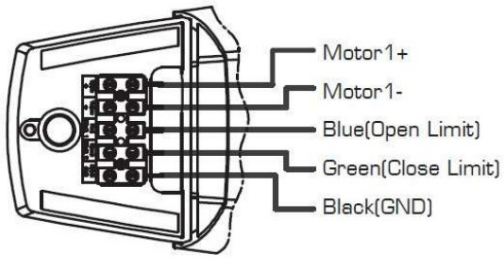
1. Loosen the screw of limit switch A by hands.
2. Slide the switch to the right position.
3. Tighten up the screw.

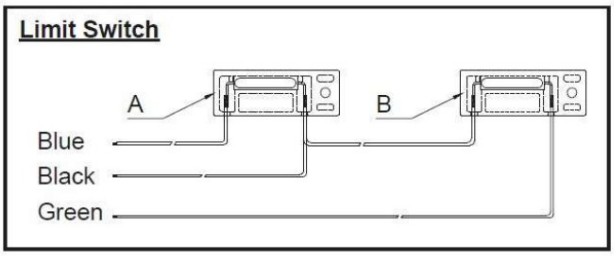
Closing position:

1. Loosen the screw of limit switch B by hands.
2. Slide the switch to the right position.
3. Tighten up the screw.

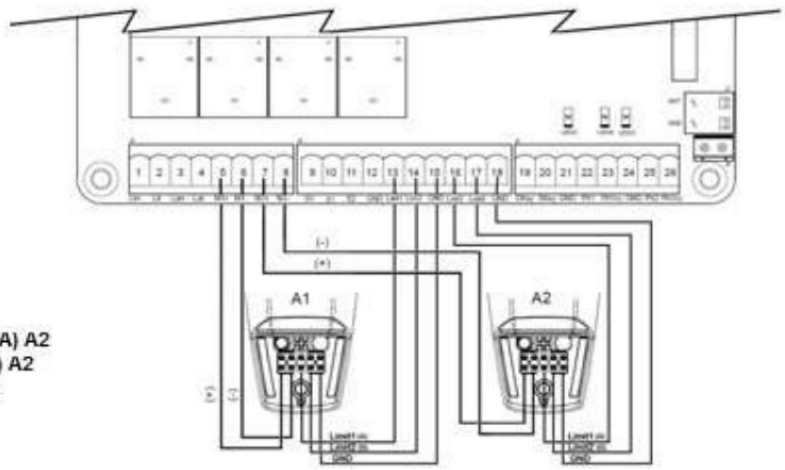


Limit Switch Connection





Electrical connections SMART-D201 (M)

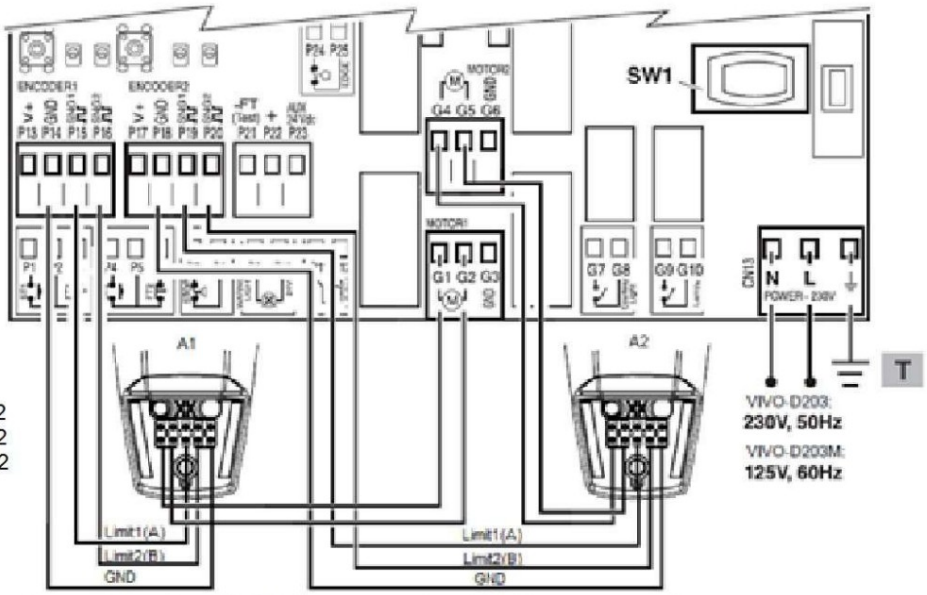


A1 Operator 1
A2 Operator 2
5/7 M1+ Operator 1/ M2+ Operator 2
6/8 M1- Operator 1/ M2- Operator 2
13/16 **L.S. Opening (A) A1 / L.S. Opening (A) A2**
14/17 **L.S. Closing (B) A1 / L.S. Closing (B) A2**
15/18 **L.S. Common A1 / L.S. Common A2**

- Select the number of operators using F2 (F22: one operator, F21: two operators).
- Confirm gate opening direction of A1 and A2 during system programing (first operation is close), if does not correspond, change the cable connection M+ and M- of corresponding.
- Program F1 for operation with limit switches (F12).
- Adjust the trapping force in accordance with the weight of the gate (parameter F3).

☞ **Maximum trapping force during system learning process:** please make sure the parameter F3" Maximum trapping force" is in F3-1 during the open/close programming.

Electrical connections VIVO-D203 (M)



A1 Operator 1
A2 Operator 2
G1/G4 Red cable (motor)
G2/G5 Blue cable (motor)
SW1 Main switch
P14/P18 L.S. Common A1/A2
P15/P19 L.S. Open (A) A1/A2
P16/P20 L.S. Close (B) A1/A2

- Select the number of operators using C0 (C001: one operator, C002: two operators).
- Select the directions using C1 (A1) and C2 (A2).
- Programme C7 for operation with limit switches (C702).
- Adjust the trapping force in accordance with the weight of the gate (parameter A6).

☞ **Turning direction check:** after connecting the power and activating any of the key devices, the gate makes a reset (the display shows rS): the gate closes until it reaches the stopper, assigning this stopper with the position "gate closed" If it opens instead of closes during the reset, change turning direction using C1 (A1) or C2 (A2).