

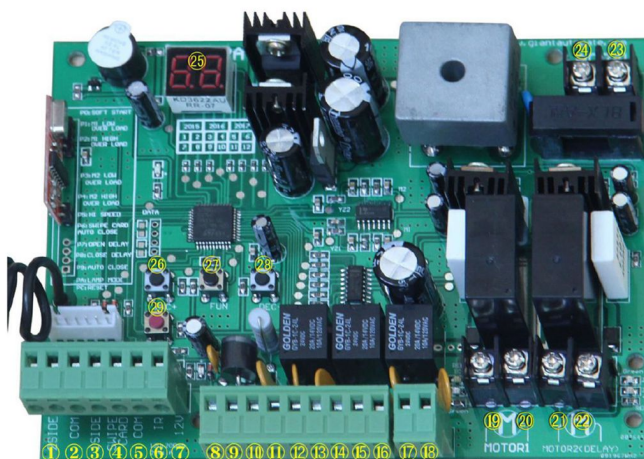
### PRODUCT FEATURES

- Worm gear provides durability and silence motor operation.
- 24VDC Swing gate opener is compatible with solar power system and back up battery.
- Special key release function to operate the gate manually in case of power failure.
- Super quick manual override with key.
- Auto-stop if any obstacles detected during operation.
- High quality 304 grade stainless steel extendable arms.
- Smooth start and smooth stop to avoid accidents.
- Adjustable opening / closing interval time between double gate leaf.
- Maximum motor running time adjustable for multiple safety protection.
- Adjustable force settings for each gate leaf.
- Single leaf gate or double leaf gate operation.
- Auto close function up to 99 seconds.
- Copper motor and gear worm for stable performance and longer working life.

## TECHNICAL SPECIFICATION

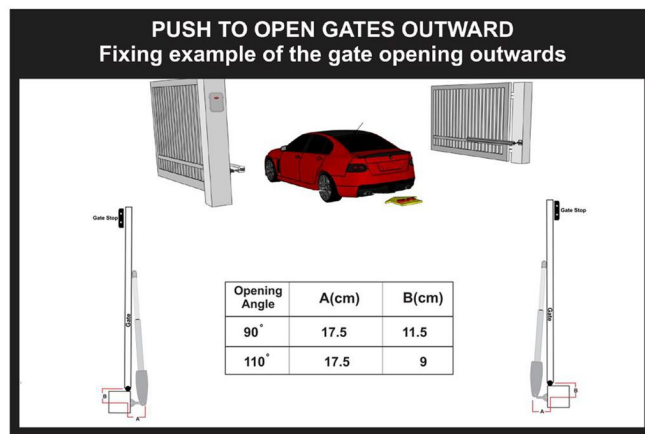
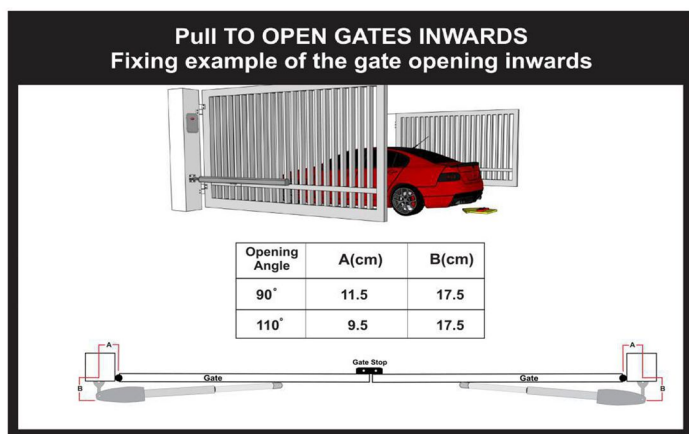
MODEL	FM-C02-2
Input supply	220VAC±10% / 120VAC±10%
Motor voltage	24VDC 60W*2
Current	5A
Motor speed	100 RPM
Arm extended speed	2.4CM/S
Arm max travel	400MM
Max single leaf width	3.5M
Max single leaf weight	350KG
Working temperature	-20°C ~ +60°C
Protection class	IP55
Max gate open angle	110 degree
Dual swing gate gross weight	17.5kg

## CONTROL BOARD CONNECTION DETAILS



- ① 2 SIDE terminal is used for connecting any external device that operates double gate.
- ② COM terminal is COMMON used for connecting the “ground” of external devices.
- ③ 1 SIDE terminal is used for connecting any external device that operates single gate.
- ④ Swipe Card terminal is used for connecting any external devices that will operate to open the gate.
- ⑤ COM terminal is COMMON used for connecting the “ground” of external devices.
- ⑥ Infrared terminal is used for connecting photo electric sensor.
- ⑦ 12V DC output is used for connecting photo electric sensor (Continuous output current ≤200mA).
- ⑧ 24V battery output is used for connecting the back up battery +.
- ⑨ 24V battery output is used for connecting the back up battery -.
- ⑩ 24V DC output is used for connecting external device. (such as photo electric sensor, max current output 1A).
- ⑪ GND is used for connecting the “ground” of external devices.
- ⑫ 24V DC lamp output is used for connecting flash light +.
- ⑬ 24V DC lamp output is used for connecting flash light -.
- ⑭ 24V DC lock output—the NF terminal which used for connecting the electric lock.
- ⑮ COM is COMMON used for connecting the “ground” of lock.
- ⑯ 24V DC lock output—the NA terminal which used for connecting the magnetic lock.
- ⑰ 24V DC alarm output.
- ⑱ 24V DC alarm output.
- ⑲ and ⑳ Motor1 terminal is used for connecting the motor 1 installed on the gate that opens later and close first. This terminal connect 1st red wire (counted from your left hand side to right hand side).
- ㉑ and ㉒ Motor2 Delay terminal is used for connecting the motor 2 installed on the gate that opens first and close later. This terminal connect 1st blue wire (counted from your left hand side to right hand side). NOTE! If for single gate, the gate motor just can connect the Motor2 delay terminal.
- ㉓ AC24V input is used for connecting the transformer.
- ㉔ AC24V input is used for connecting the transformer.
- ㉕ digital display is used for showing you the setting data.
- ㉖ INC+ is used for figure increase when setting the data.
- ㉗ FUN is used for store the data.
- ㉘ DEC- is used for figure decrease when setting the data.
- ㉙ Learning button is used for program/remove remote.

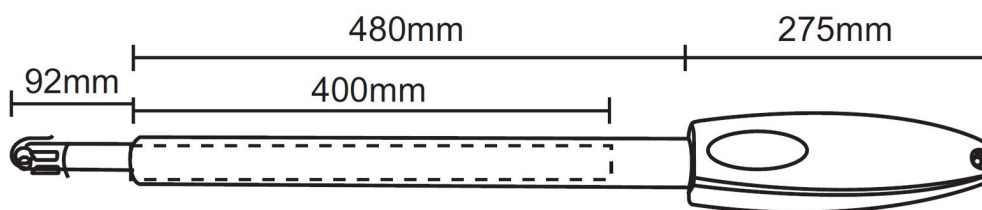
## PRODUCT CONFIGURATION



A: The distance between the gate post edge and the fixed motor hinge.

B: The distance between the gate hinge and the centerline of the motor hinge.

## PRODUCT DIMENSION



## OPTIONAL ACCESSORIES

**WI-FI MODULE (FM-05W)**

- Working Voltage: Micro USB 5V, Current: 30-80MA
- Frequency: 433.92Mhz
- Code: Rolling Code, Fixed Code, Learning Code
- Wi-Fi: 2.4G IEEE 802.11 b/g/n, Range: 80-100m
- Supports automatic gate system

**FLASH LIGHT (FD-08)**

- Voltage: 12V-265V AC/DC
- Frequency: 1Hz
- IP Rating: IP44
- Supports swing motor, sliding motor, gate barrier, etc

**FLASH LIGHT (FD-06)**

- Voltage: 12V-265V AC/DC
- Frequency: 1Hz
- IP Rating: IP54
- Supports swing motor, sliding motor, gate barrier, etc

**BEAM SENSOR (FO-G20)**

- Voltage: DC12-18V
- Beams: Single beam
- Detect Distance: 20M
- Output: NO/NC/COM