FELIX Security Systems

Self-Closing Setting

Obstacle Adjusting

Smooth Start & Stop

Manual Release Key

PRODUCT FEATURES

- Powerful AC motor with bigger modulus internal gear, ideal for heavy duty gate.
- Metal external gear and enhanced glass fiber nylon internal gear for durable and silent operation.
- Smooth start and smooth stop to avoid accidents.
- Resistance sensitivity and auto-closing delay time adjustable.
- Stop/reverse in case of obstruction during gate opening /closing.
- Reliable mechanical spring limit switch.
- Emergency release key in case of power failure.
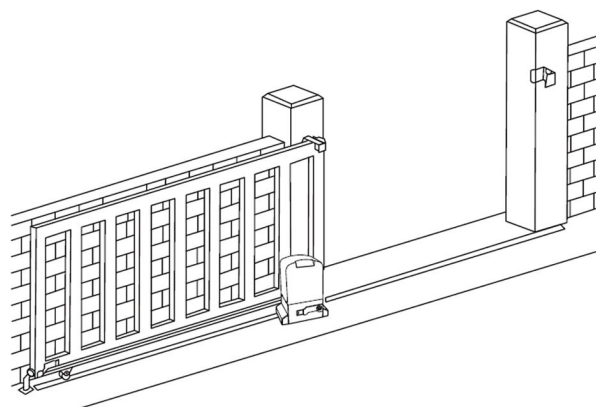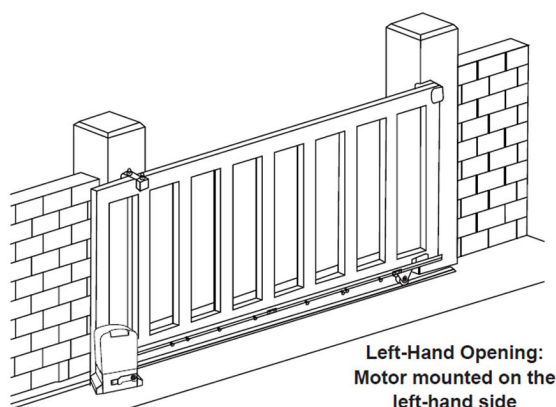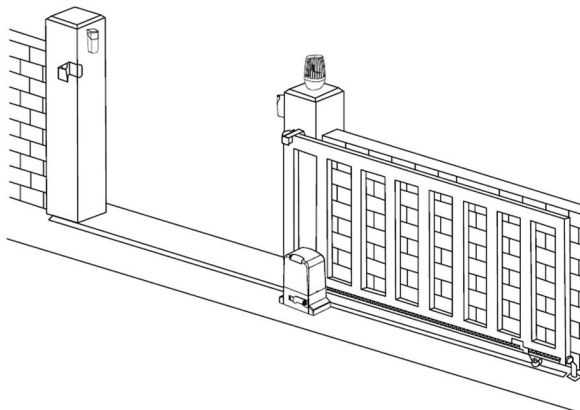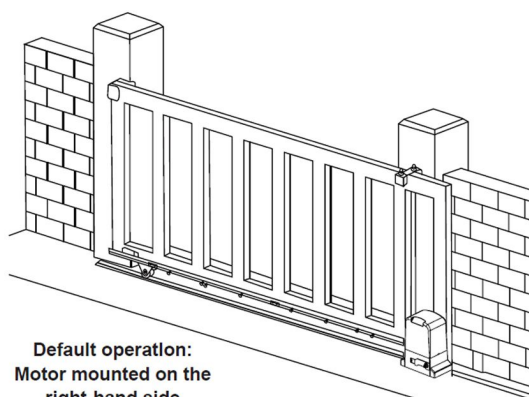- Aluminum alloy base suits for all kinds of tough environment.

PRODUCT DIMENSION

340mm

57.5mm

275mm

242mm

86mm

85mm
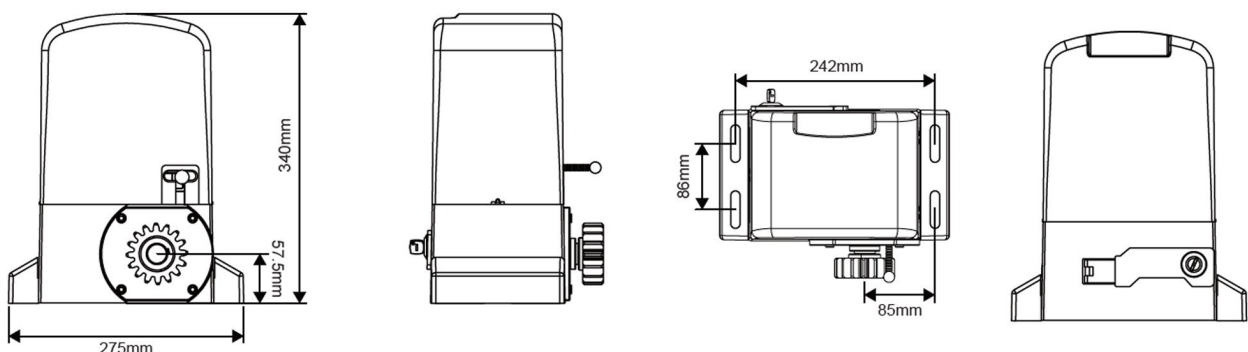
TECHNICAL SPECIFICATION

MODEL	FM-H2206
Power input	220VAC±10% 50Hz
Maximum load	1000Kgs
Rated power	370W
Rated speed	1300RPM
Output speed	50r/min±10%
Running speed	12m/min
Output torque	37 N.M
Output gear module	M=4
Output gear number	Z=16
Remote control distance	30-50m in open area
Working humidity	≤85%
Maximum pull	1100N
Noise	≤55db
Working temperature of motor	-20°C ~ +55°C
Limit switch type	Spring limit

INSTALLATION SCHEMATIC

Default operation:
Motor mounted on the
right-hand side

Left-Hand Opening:
**Motor mounted on the**
left-hand side

Mounting Base Plate

242mm

87mm
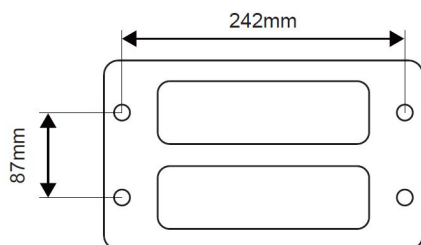
After determine the installation position of the motor base plate, first let the bolt embedded or use expansion bolt to make use plate fixed on foundation.

If gear rack has been installed on door, motor can be fixed on it, use a allen key rotation to clutch "off" position, after motor gear and gear rack match well to determine position of base plate, then remove motor and fix base plate.

CONNECTION DIAGRAM
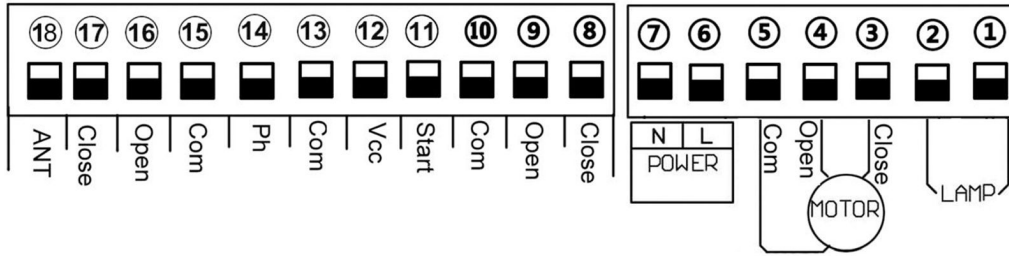
The default setting fis right side open with jumper (J1) connected Pin 1 and Pin 2. For opposite direction, the limit switch direction should be changed by moving jumper (J1) connected to Pin 2 and Pin 3 instead.
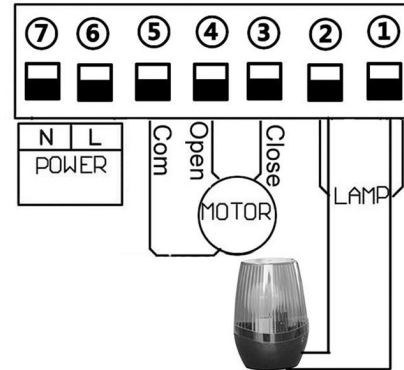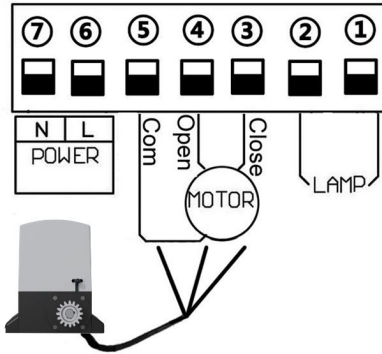
Flashing light

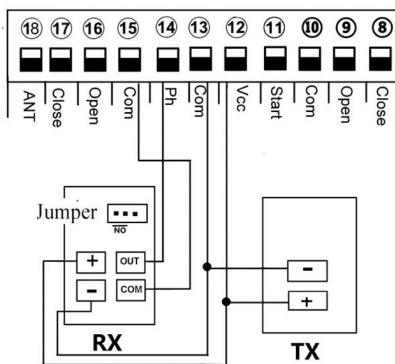Terminal ⑥, ⑦: Connection to 220V AC power.
Terminal ③, ④, ⑤: Connection to motor wire.
Terminal ③, ④: Determines the forward and backward direction of the motor.
Terminal ⑤: Terminal for COM(GND).
Terminal ①, ②: for flashing light.
AC220V power output, flashing light turn ON when motor start running and turn OFF 30s after motor stop.
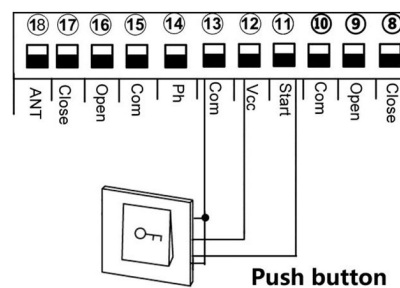

Terminal ⑧, ⑨, ⑩: For external limit switch.
Connect terminal ⑮ to the "COM "of photocell RX.
Connect terminal ⑭ to the "OUT "of photocell RX.
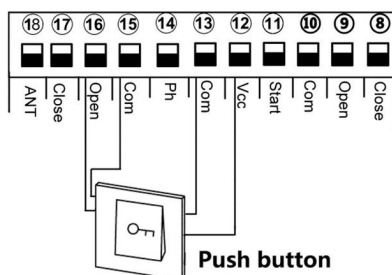Connect terminal ⑫ to the "+ "of photocell RX and TX.
Connect terminal ⑬ to the "-"of photocell RX and TX.

Push button

Terminal ⑪, ⑬: Conect to push button.
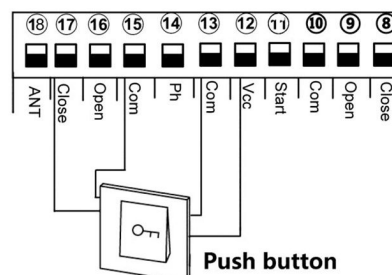Terminal ⑫, ⑬: Power for push button.

Push button

Terminal ⑯ is only to control gate open.
Terminal ⑮, ⑯: Connect to push button.
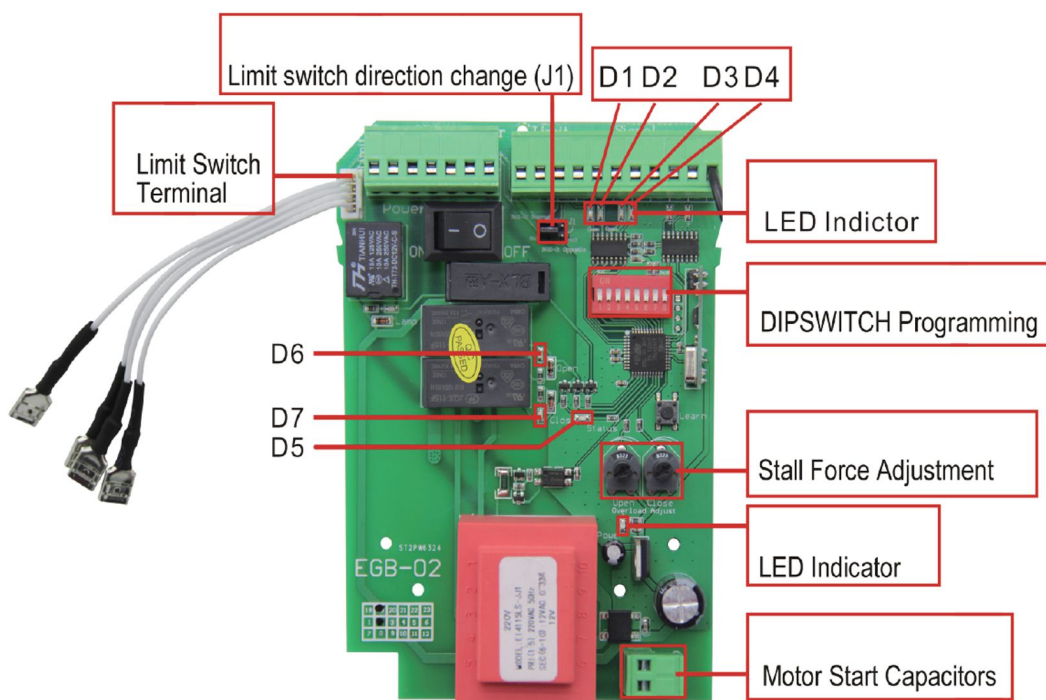Terminal ⑫, ⑬: Power for push button.

Push button
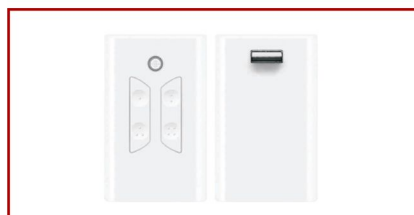
Terminal ⑰ is only to control gate close.
Terminal ⑮, ⑰: Connect to push button.
Terminal ⑫, ⑬: Power for push button.

CONTROL BOARD

Limit switch direction change (J1)

D1 D2 D3 D4

Limit Switch Terminal

LED Indictor

DIPSWITCH Programming

D6

D7

D5

Stall Force Adjustment

LED Indicator

Motor Start Capacitors

EGB-02

OPTIONAL ACCESSORIES

WI-FI MODULE (FM-05W)

- Working voltage: Micro USB 5V
- 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

SLIDING HARDWARE KIT (FN-01)

- 1 PC End stop
- 1 PC Gate stopper
- 1 PC Guide bracket with nylon roller
- 2 PCS Wheel
- 6 PCS Sliding track

STEEL GEAR RACK (FT-01)

- 1 Meter steel rail for sliding motor