User Manual-KA80

Function and Features

Super Quiet, compact design;
Easy,fast and secured installing on track;
High efficiency, big torque and stable weiglt Capacity ;
Automatic limit and easy setting;
Manual operating and touch start;
Soft start and stop;
Changeable speed;
Wireless, dry contact and high voltage controlling;
Smart RS485, smart mobile controlling;
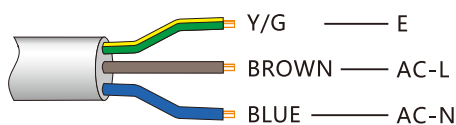
Specifications

Voltage: AC100-240V / 50-60Hz
Full-Load Power: 50Wmax
Output RPM: 30-90RPM,   30-110RPM,
                30-130RPM
Rated Torque: 1.2Nm
Rated Current: 0.489A@100V/60Hz,
                0.543A@100V/50Hz,
                0.251A@240V/60Hz,
                0.254A@240V/50Hz.
RF: ASK433.92MHz
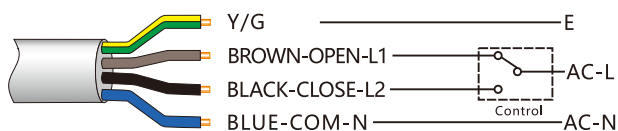Protection class: IP41
Insulation class: E
Working Time: S2:10min

Controlling and wiring diagram
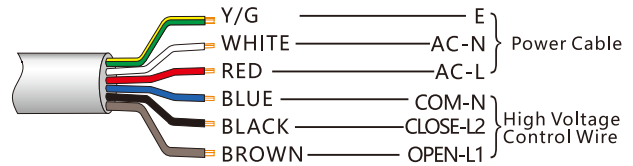
1、KA80 high voltage wiring diagram

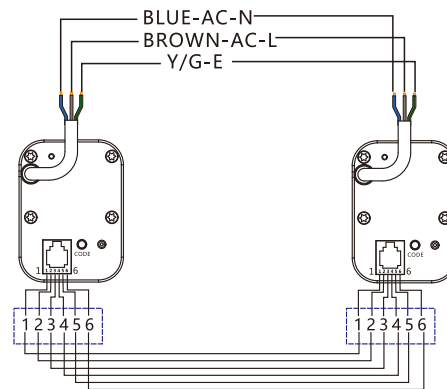KA80A (Built-in RF receiver) power wiring diagram

Y/G — E
BROWN — AC-L
BLUE — AC-N

KA80C(External RF receiver) power wiring diagram

Y/G — E
BROWN-OPEN-L1
BLACK-CLOSE-L2
BLUE-COM-N
Control
AC-L
AC-N

KA80AC(Built-in RF receiver) power wiring diagram

Y/G — E
WHITE — AC-N
RED — AC-L   } Power Cable
BLUE — COM-N
BLACK — CLOSE-L2   } High Voltage Control Wire
BROWN — OPEN-L1

2、KA80A(Two motors in one track)

BLUE-AC-N
BROWN-AC-L
Y/G-E
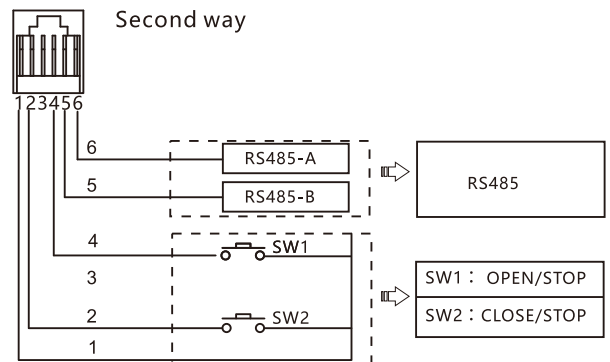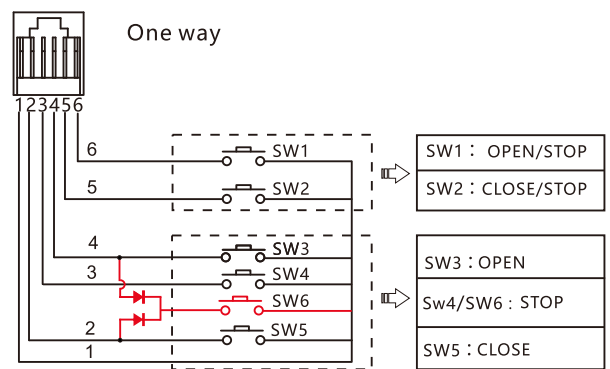
Attention: Two motors in one track,special notifications prior to ordering. Only one out of 2 motors is allowed to program with the remote to control the 2 motors.
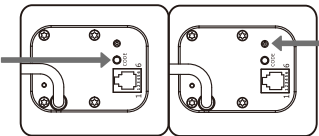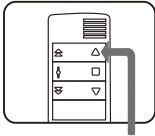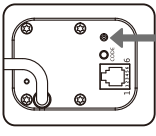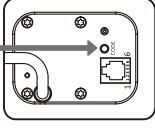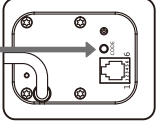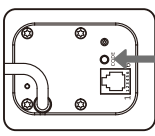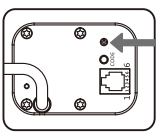
3、low voltage wiring diagram (KA80A/KA80AC only)

One way

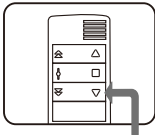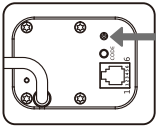|	
SW1	SW1：OPEN/STOP
SW2	SW2：CLOSE/STOP
SW3	SW3：OPEN
SW4	Sw4/SW6：STOP
SW6	
SW5	SW5：CLOSE

Second way

RS485-A
RS485-B   ⇒ RS485
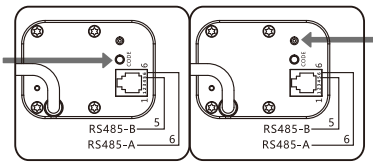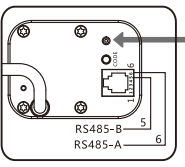SW1   ⇒ SW1：OPEN/STOP
SW2   SW2：CLOSE/STOP

Attention: 1. In all controlling logic above, the signal is dry contact pulse and duration 1 second.
2.Support by specific RS485 program.

Function setting

Programby "C" button

Setting / Function	1st: Enter Setting Mode	2nd: Setting	3rd: Completed
Programming	Press and hold the Motor [C] button about 3 seconds, the indicator light stays ON.	Click the remote control "up/open" button.	The LED flashes 3 times and goes out, the programming is done.
Clear codes		Press and Hold "C" button again about 3 seconds	The LED flashes 3 times and goes out, the programming clearing is done.
Reverse turning		Press The DOWN button in the remote.	The LED flashes 3 times and goes out, the reverse turning is corrected.
Clear limit		Press "C" button 3 times consecutively. H	The LED flashes 3 times and goes out, the limit clearing is done.

Programby RS485:

Setting / Function	1st: Enter Setting Mode	2nd: Setting	3rd: Completed
Programby RS485	RS485-B 5 / RS485-A 6. Press and Hold "C" button again about 3 seconds till the LED stays illuminated, and enter setting mode.	Within 15 seconds, send "OPEN" command to the motor.	RS485-B 5 / RS485-A 6. The LED flashes 3 times and goes out, the programming by RS485 is done.

Speed Setting: There are 3 gears to select, Green = 90RPM, Yellow= 110RPM, Red=130RPM
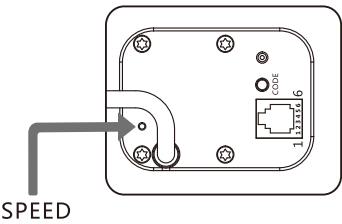
SPEED

①、 Press and Hold "Speed" button again about 3 seconds, the LED color turns to Green, it is 1st gear.

②、 Press and Hold "Speed" button again about 3 seconds, the LED color turns to Yellow, it is 2nd gear,

③、 Press and Hold "Speed" button again about 3 seconds, the LED color turns to Red, it is 3rd gear,