

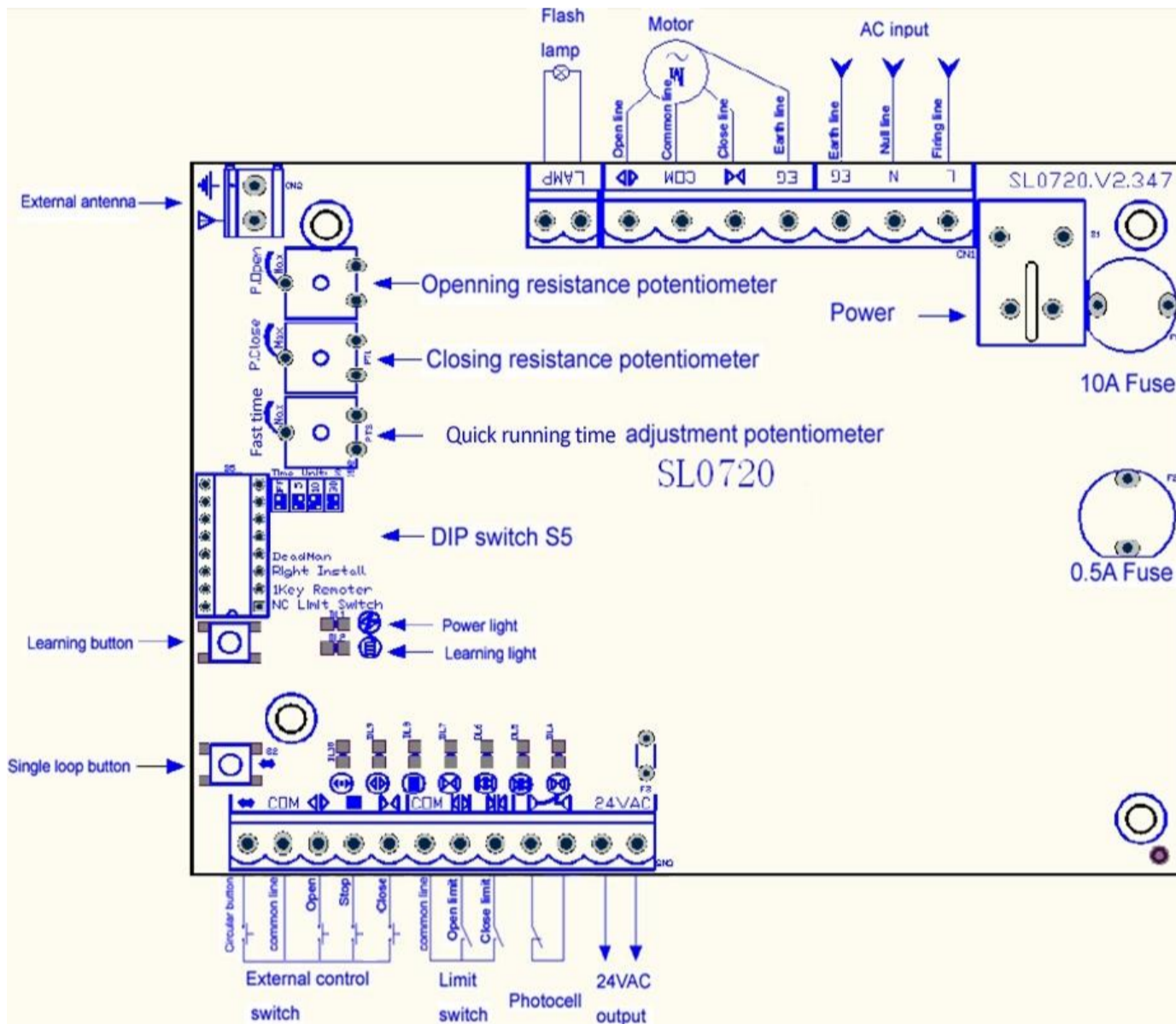
I Safety Instruction

- 1.1 For security, please read instructions carefully before initial operation; making sure that the power is off before connection.
- 1.2 Please clear the memory before initial operation. (Ref.: Erasing ALL learned/memorized Transmitters)
- 1.3 Do not learn the remote control when motor is operating in order to avoid mis-operation.
- 1.3 The received signal may be interfered by other communication devices. (e.g. the wireless control system with the same frequency range)
- 1.4 It is used only for the manual remote control and wireless control equipment / system which must not endanger life or property during running failure, or its security risks have been eliminated.
- 1.5 It should be applied in dry indoor place or in the electric appliance place.

II Technical Index

- 2.1 Working voltage: 220VAC/110VAC,50Hz/60Hz
- 2.2 Temperature range: -20°C to 60°C
- 2.3 Loading capacity : 2HP 220VAC/1HP 110VAC
- 2.4 Built-in fuse: electric circuit(0.5A); Motor(10A),Please exchange appropriate fuse according to loading capacity
- 2.5 Soft-start time:1S. Soft-stop time = 127s - quick running time
- 2.6 Quick running time: Adjustable from 3s to 120s ----TP3 is to set up
- 2.7 Frequency: 433.92MHz
- 2.8 Transmitter stored: 30PCS/300PCS
- 2.9 Output voltage: AC24V
- 2.10 Output with flash lamp: AC220V/AC110V
- 2.11 External switch (open,stop,close in a loop)
- 2.12 External limit (DIP1 to select NO and NC)
- 2.13 External infrared (NC contact)
- 2.14 Resistance of opening and closing door is adjustable
- 2.15 Auto close time is adjustable: (5S,10S,30S are optional by using DIP7,DIP8)
- 2.16 Latch and non-latch remote system are optional by DIP4
- 2.17 Installation at left or right side is optional by DIP3.
- 2.18 Single / three button control is optional by DIP2
- 2.19 Size: 140*103*38

III Wire connection



IV Set up

4.1 Learning and erasing transmitters: Press the learning button S3 in the board, LED DL2 is on, enters into the learning process; Press the same button twice, LED blinks for several times, then off. The learning process is successful. Press the learning button, continue pressing for 8s until LED turns off; Release learning button, LED will be on (about 1s) and then off; the erasing process is successful. (Ignore this step if transmitter already matches the opener before delivery).The board can learn 30pcs transmitters max.

-Tip of Remote control **self-learning function**: Use the transmitter that already has been learned as mother transmitter, press button 1 and button 2 at the same time and then press button 2 to let it enters into the learning process .In this way , new transmitter can be learned without press the learning button on the control board.



4.2 Opening/closing limit adjustment: Remote control the door (or move the door manually) , adjust the position of limit device to make sure the door would touch the limit switch when open or close the door .LED LD6/DL5 in the controller will be off when limit device touches limit switch(Limit switch is NC).

4.3 External infrared switch:Photocell connector connects the NC contact of photocell switch , DL4 LED turn on after the connection, And DL4 LED turn off when blocking out the transmit or receive signal of photocell artificially. Infrared sensor doesn't react when door opening and the door will reverse to limit point if photocell signal disconnect when door closing. If no need of using photocell protection, make the connector of photocell short circuit with terminated line(the connector is short circuit when leave factory).

4.4 Resistance adjustment: Adjust potentiometer P.Open/P.Close to change the opening/closing resistance. Resistance increases when adjust it C.W .Make a resistance to door after the adjustment in order to check if it is appropriate .

4.5 Quick running time set up: It is adjustable from 3s to 120s. Adjust potentiometer PT3 (FastTime) to adjust the quick running time of motor. It increases the time when adjust it Clockwise, reduces the time when anti-Clockwise

4.6 Motor max running time = Quick running time + Soft stop time = 127 seconds

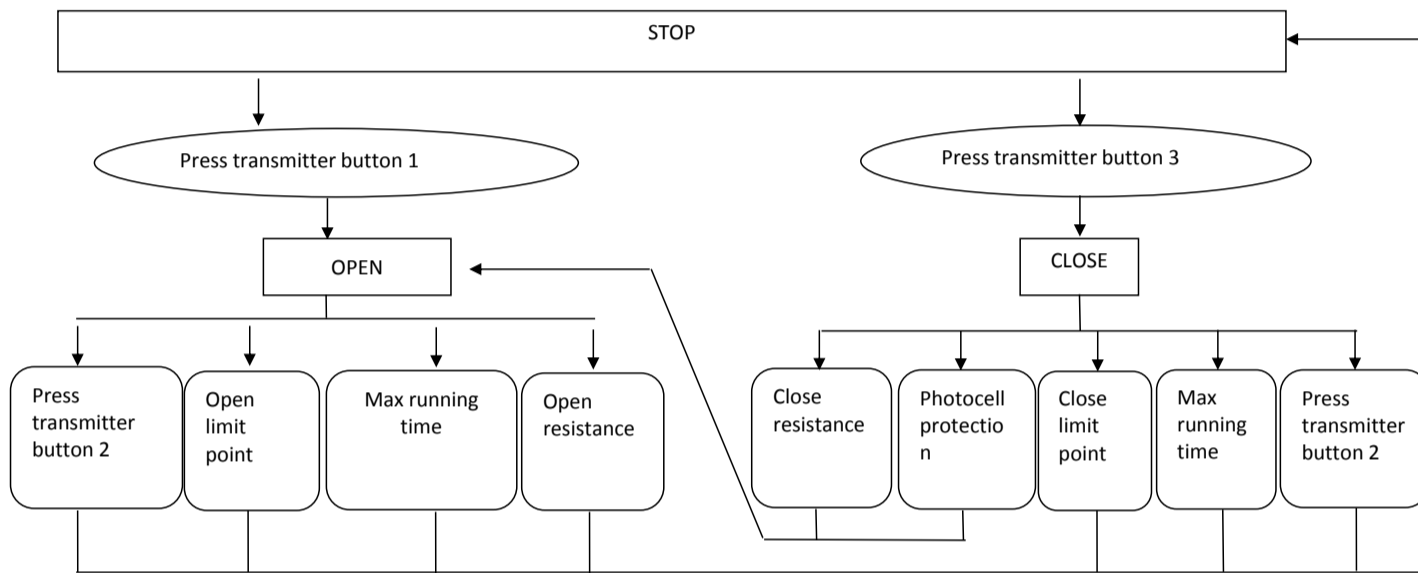
4.7 Speed of quick running time is about 0.2 meter per second . Speed of soft stop running time is about 0.06 meter per second.

4.8 DIP switch S5 logic function:

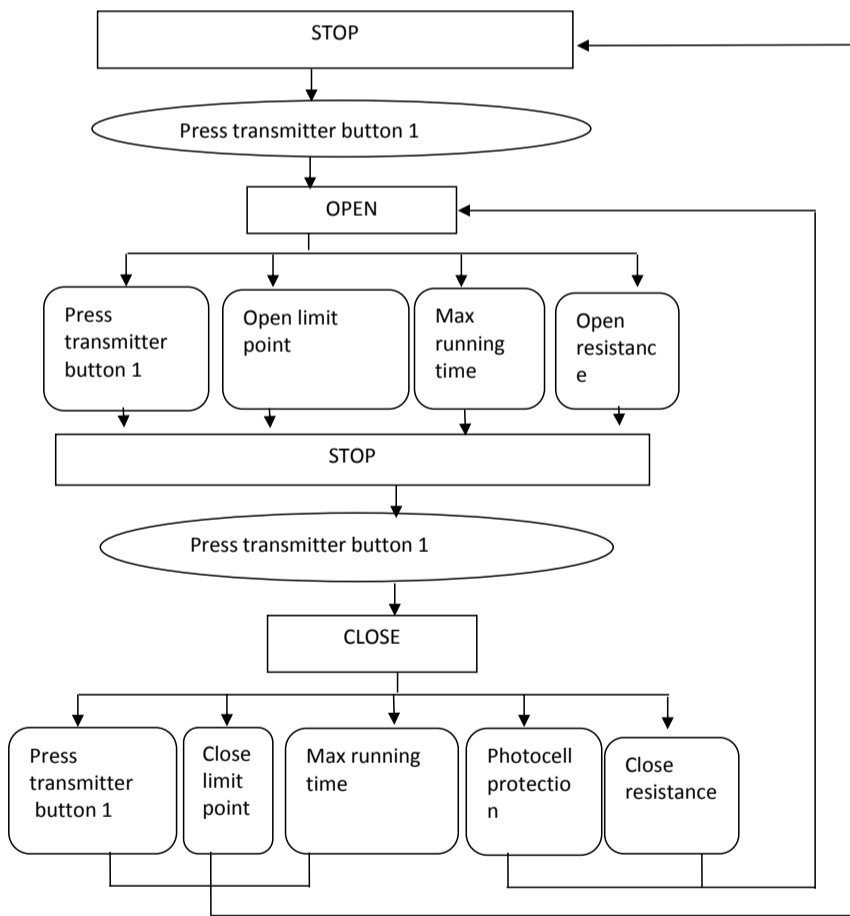
DIP7	DIP8	Auto close time	DIP5	DIP6	Function Cancel	DIP4	Latch and non-latch for remote control
OFF	OFF	No auto close				ON	Deadman, Latch
OFF	ON	5S				OFF	Non-latch
ON	OFF	10S					
ON	ON	30S					
DIP3	Right/left side installation		DIP2			DIP1	
ON	ON or OFF can change the		ON	Single button control		ON	External limit NC switch
OFF	current operating direction of motor		OFF	Three button control		OFF	External limit NO switch

V Operation Instruction

5.1 Three button control process (DIP 2 at OFF position)



5.2 Single button control process (DIP 2 at ON position)



Description:

Single button control , press-open-press-stop-press-stop; Only the learned button is effective in the transmitter, original button is not effective any more when a new button has been learned in the same transmitter (For example, button 1 was learned firstly, button 2 or 3 has been learned of the same transmitter afterwards , then button 1 was not effective any more)

VI Notes

- 6.1. Man-made resistance is needed after adjusting resistance, in order to make sure the resistance is appropriate or not.
- 6.2. Open and stop resistance shall be examined regularly.

VII Model difference

Model	Working voltage	Transmitter stored (pcs)	Code	Frequency
SL0720	220VAC	30	Rolling	433.92Mhz
SL0721	220VAC	300	Rolling	433.92Mhz
SL0730	110VAC	30	Rolling	433.92Mhz
SL0731	110VAC	300	Rolling	433.92Mhz

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