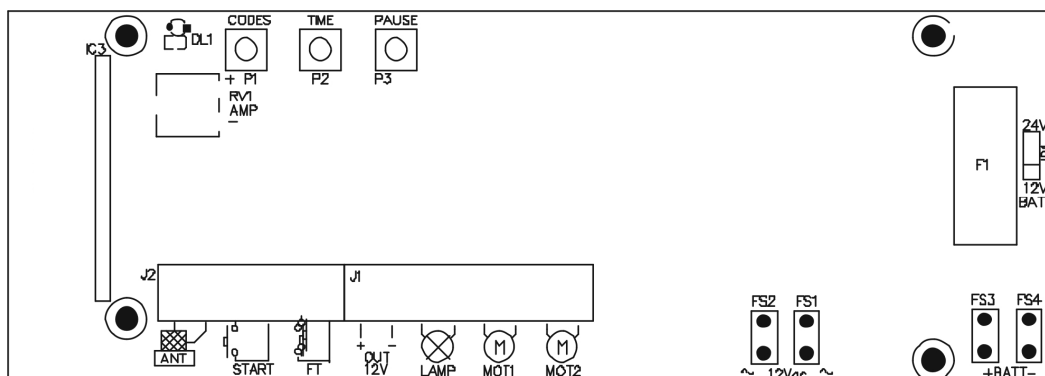


Instructions for Q57 – Control unit for wings gate operator:



Outputs / Inputs description:

P1:	Button for programming radio codes.	OUT 12V:	Output 12Vdc - 300mA
P2:	Button for programming working time	LAMP:	Blinker output (integrated logic) 12V
P3:	Button for programming pause time.	MOT1:	Motor 1 output
RV1:	Trimmer for regulating the amperostop level	MOT2:	Motor 2 output
ANT:	433MHz Antenna's input	FS1/2:	12Vac Transformer input
START:	Input for command START (NO)	F1	Fuse for battery charger 12/24V
FT:	Input for photocells command	JP1:	Selector for for battery charger 12/24V

“Step-by-step” mode - set Pause time = 0 (see chapter “Pause time Programming)

After the power is supplied to the electronic card, the first start command determines an opening cycle. At the end of the two working times or after the AMPEROMETRIC STOP has operated for both motors, the gate stops. The operating cycle is completed (blinker off) and the system waits for a new start command to determine the closing cycle. If a start command is supplied when the end of travel has not been reached yet the gate stops. A new start command will cause the reversal of the motion.

“Automatic” mode – Set Pause time with P3 – P2 (see chapter “Pause time Programming)

After the power is supplied to the electronic card the first start command determines an opening cycle. At the end of the two working times or after the AMPEROMETRIC STOP has operated for both motors, the gate stops. The pause period starts (blinker off). At the end of the pause period the gate closes automatically. The operating cycle is complete only when the closing motion has ended. If a start command is supplied before the end of travel is reached the gate stops. A new start command will cause the gate to reverse its motion. If a start command is supplied during the pause period the operating cycle is interrupted and the gate does not close automatically. A further start command will determine a closing cycle.

“Condominium” mode– Set Pause time with P3 – P3 (see chapter “Pause time Programming)

After the power is supplied to the electronic card the first start command determines an opening cycle. At the end of the two working times or after the AMPEROMETRIC STOP has operated for both motors, the gate stops. The pause period starts (blinker off). At the end of the pause period the gate closes automatically. The operating cycle is complete only when the closing motion has ended. If a start command is supplied while the gate opens, the command will have no effect. If a start command is supplied while the gate closes, the gate will stop and reverse its motion after approx. 1.5 sec. If a start command is supplied during the pause period, the period will be reset and the automatic closure will start later.

Important : If the gate opening is controlled by a clock the “condominium” mode must be enabled.

Pedestrian Opening: In the case the user should go through the gate, it's possible to use the pedestrian opening (see chapter "Learn radio codes"). This function opens just the motor 2

Photocells input:

Connect the normally closed output of the photocells. Use the 12Vdc 300mA output to supply the photocells. This device has effect only during the closure phase or in the pause period. If an obstacle covers the photocell during the closure phase, the gate stops and reverses its motion after approx. 1,5 sec. If an obstacle covers the photocell during the pause period this last one is reset and the automatic closure is therefore delayed.

Blinker : The board gives a flashing output on the blinker:

- Fast flashing during opening phase;
- Slow flashing during closing phase;

The blinker stays on fixed in the case of an obstacle obstructs the photocells during the start of a closing cycle.

Regulating amperostop level :

The trimmer **RV1** regulates the level of the amperostop from 0 to 8 amperes. Turning trimmer in clockwise direction increase the level, turning the trimmer anticlockwise decrease it.

Learn radio codes: Press the **P1** key once to insert a "**Start**" code; press the **P1** push-button twice to insert a "**Pedestrian Start**" code. Each time the push-button is pressed, the led DL1 flashes in acknowledgement. Subsequent pressures of the **P1** key must be spaced by 1 sec. minimum periods. When the led is lit with a fixed light transmit the code to be learn by means of the radio-command.

Erasing all stored codes: Press push-button P1 until the led DL1 goes off (about 10 seconds).

Learn working time: Make sure the gate is completely open, if not, position it manually. Set the trimmer **RV1** at the half range. Press button **P2** till the led goes on and the motor1 starts closing. After the right delay between wings, push once **P2** to start also motor2. Wait till the wings goes in the fully closed position. When a wing reach the closing position, after about 2 seconds it should stop working. If the motors don't stop themselves, move anticlockwise the **RV1** trimmer till this happens then repeat programming.

Setting pause time (and condominium mode): Press push-button **P3** until the led DL1 lights. Let the desired pause time pass, then press push-button **P3** again. The led DL1 goes off.

Setting pause time (and automatic mode): Press push-button **P3** until the led DL1 lights. Let the desired pause time pass, then press push-button **P2**. The led DL1 goes off.

Clear pause time and set step-by-step mode: Keep pressed button **P3** until the led DL1 goes off.

Exclusion of photocells input: To exclude photocells input disconnect them from the board, then push together **P1** and **P2** buttons. The led DL1 flashes 3 times to confirm operation.

Enabling of photocells input: To enable photocells input just connect them to the board, as described in paragraph "Photocells input": the control unit will automatically detect the photocells and enable the input.