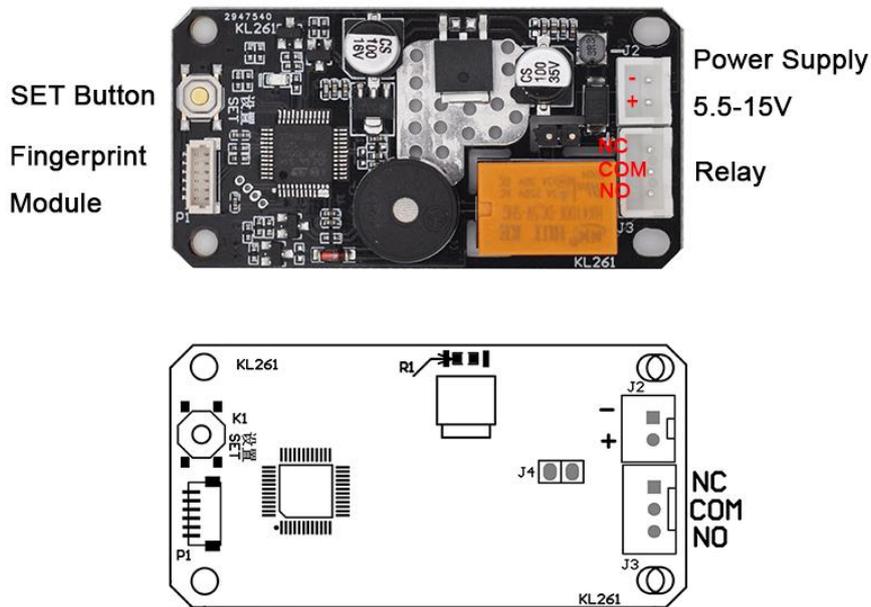


User manual for control board KL261



Technical parameter:

Power supply: DC 5.5-15V, >500mA

Standby current: 25uA(DC12V)

Peak current: 200mA(DC12V)

Fingerprint capacity: 100 pieces (Admin Fingerprint: 20 pieces, User Fingerprint: 80 pieces)

Output: Relay

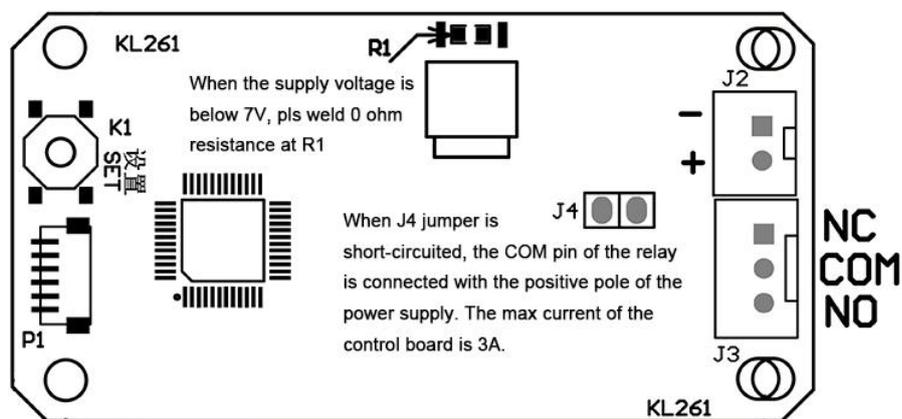
Instructions for control board:

1. **Register Administrator Fingerprint:** Long press the SET button, release finger when the fingerprint module shows **purple** indicator light and flash fast, put the same admin finger with multiple times in fingerprint collection area until hearing music means fingerprint register successful. Fingerprint can be registered continuously and it can register 20 pieces administrator fingerprint; if no need adding fingerprint more, waiting a few seconds to exit. If the administrator is fully registered, it will automatically exit the administrator registration state after hear "DiDiDi". It will start register user fingerprint if press SET button again.
2. **Register User Fingerprint:** Press the administrator fingerprint until shows blue indicator light and hear the music, means can add user fingerprint. Put the same user finger with multiple times in fingerprint collection area until hearing music means fingerprint register successful. Fingerprint can be registered continuously when system in register state; if no need adding fingerprint more, waiting a few seconds.
3. **Delete User Fingerprint:** Press the administrator fingerprint until shows red indicator light and hear "DiDiDi" beep and music, means user fingerprints are deleted.

4. **Jog Mode Relay Time Setting:** Long press the SET button,release finger when hear **“DiDi” beep** and the fingerprint module shows **yellow** indicator light and flash fast. Then short press the SET button, each press increases by 0.5 seconds, increasing from 0. The Max setting time is 4 hours.
5. **Self-locking Mode:** Long press the SET button,release finger when hear **“DiDiDi” beep** and the fingerprint module shows **cyan** indicator light and flash fast. In this mode, relay closed when fingerprint passed, relay will be released when pass fingerprint again.
6. **Ignition Mode:** Long press the SET button,release finger when hear **“DiDiDiDi” beep** and the fingerprint module shows **green** indicator light and flash fast. In this mode, relay closed when fingerprint passed, relay will be released when removing finger.
7. **Back to factory default:** Long press the SET button,until hear **“DiDiDiDiDiDi” beep**, the fingerprint module shows **red** indicator light and flash fast,hear music and the module flash green and white light,means initialization operation successful.

Note:

1. Any fingerprint can be used in the factory state, but the function will be invalid after the fingerprint is registered.
2. In normal working status,the fingerprint module shows white light;
 If admin fingerprint passed, the fingerprint module shows purple light;
 If user fingerprint passed, the fingerprint module shows green light;
 In ignition mode,fingerprint passed, the fingerprint module shows yellow light;
 If fingerprint passed fail,the fingerprint module shows red light.
3. When the power supply is below 7V, pls weld 0 ohm resistance at R1.
 When J4 jumper is short-circuited, the COM pin of the relay is connected with the positive pole of the power supply.The max current of the control board is 3A.



4. If need to delete previous admin fingerprint and register new admin fingerprint,long press the SET button,release finger when hear **“DiDiDiDiDiDi” beep** and the fingerprint module shows **white** indicator light and now the pink light flash fast,put the same admin finger with multiple times in fingerprint collection area until hearing music means fingerprint register successful. If registered successfully, the previous admin fingerprint will be deleted. If registered fail, the first admin fingerprint will be deleted.