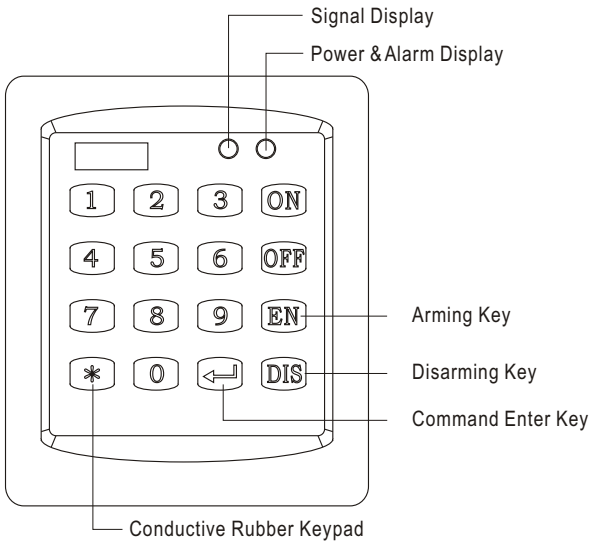
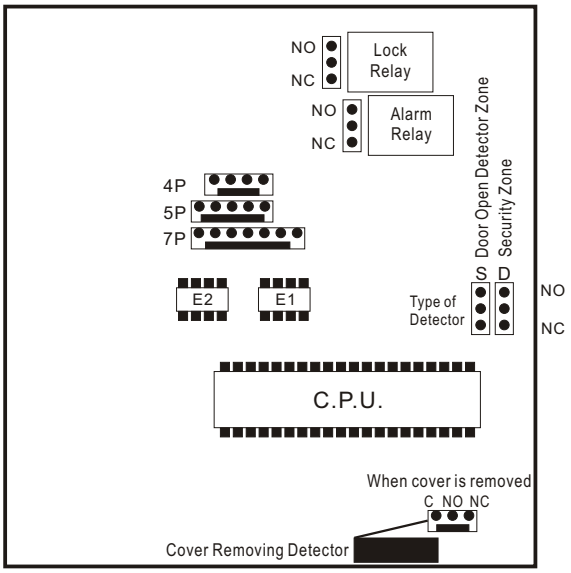
Manual of EG-521RS

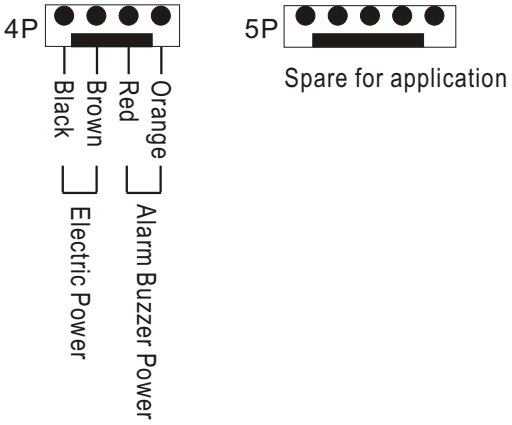
Outlooking



Wiring Diagram 1



Wiring Diagram 2



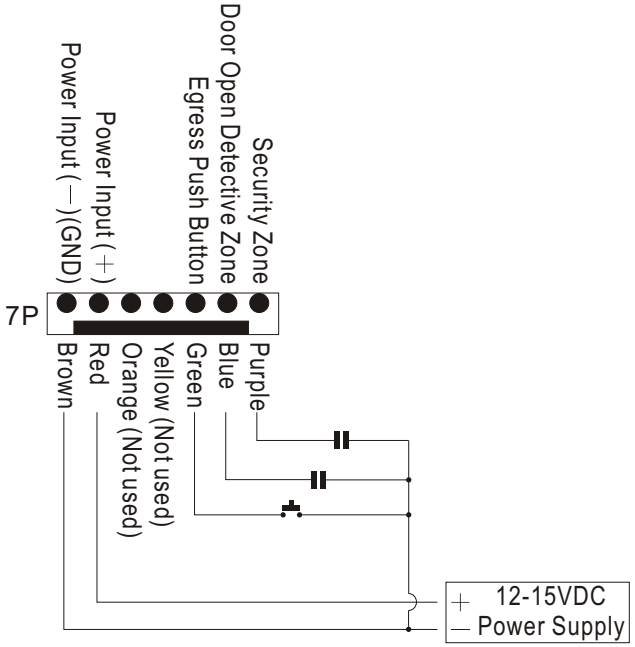
Note

1. The power of electric lock and alarm buzzer must be separated from access controller.

2. The rating of relay contact is 1.5 Amp.. If electric lock need high power consumption, installer must use another relay with high contact capacity to convert signal.

3. To prevent CPU from the interruption of collapsing electrical field which generated from solenoid of electrical lock, a diode must be added and cross the solenoid terminal of lock.

Wiring Diagram 3



Note

1. Alarm type (NC Alarm or NO Alarm) of "Door Sensor Zone" and "Security Zone" can be set by jumper.

2. Security Zone can be armed and disarmed by special password.

3. The power of controller can not use together with electric lock or buzzer.

Edit Mode

All of functions in EG-521RS controller must be defined from keypad. Before keyin command into controller, users must keyin an editing password. When the password is accepted by controller, then green led at front side of controller will keep flash. It means that controller is at the status of editing and wait for user inputting command. If user do not keyin any data within 15 seconds, controller will exit "Edit Mode" automatically.

Every time when controller accepts the input command, there is a long Bi sound from beeper. If there is mistake for command input, then there is two short Bi.. Bi sound from beeper.

Edit Command Summary

◢ means "Enter"

A. Go-in Edit Mode: Press ＊ N N NN N N ◢ where default NNNNNN is 123456. User can change the password after installation.

B. Exit Edit Mode: Press ＊ ◢

C. Electric Lock Relay Energized Time: Press 0 2 ＊ T TT ◢ where TTT is from 000 to 255 seconds. If TTT is 000, then relay contact will be a "latch" type. It means when first reading a granted card, the relay will be always energized until controller receive next granted card.

D. Alarm Relay Energized Time: Press 0 3 ＊ T TT ◢ where TTT is from 001 to 255 seconds.

E. Arming Delay Time: Press 0 5 ＊ T TT ◢ where TTT is from 000 to 255 seconds. When controller receive the arming command, red led will turn to slow orange blink. It means controller is at pre-arming. After delay time, red led will turn to orange steady light and controller is at arming status. If TTT is 000, then controller will be at arming status as soon as it has received arming command. For door open too long detection, the delay time is Arming Delay Time plus Lock Energized Time.

F. Alarm Delay Time: Press 0 6 ＊ T TT ◢ where TTT is from 000 to 255 seconds. When door is opened too long or is opened illegally or when security zone is triggered, controller will energize the alarm relay after "Alarm Delay Time".

G. Sitecode Definition: Press 0 7 ＊ N ＊ S S SS S ◢ where N is from 0 to 9, SSSSS is from 00000 to 65535. Sitecode of cards are same as any one in controller will be accepted.

H. Open Granted Cards: Press 1 1* AAAAA ＊ B B BB B ◢ where AAAAA is beginning cardcode, BBBBB is last cardcode. For example, User want to open granted cardholders which cardcode is from 12001 to 12200. He must press 11*12001*12200. Note when EG-521RS reading a proximity card, it will first check whether sitecode is correct or not. If sitcode is correct then check codecode. If cardcode is also correct, then energize door relay.

I. Delete Granted Cards: Press 10 *AAAAA* B BB B B ◢ where AAAAA is beginning cardcode, BBBBB is last cardcode. For example, User want to delete granted cardholders which cardcode is from 12001 to 12200. He must press 10*12001*12200.

J. Define Arming/Disarming Password: Press 17 * PP PP ◢ where PPPP is from 0000 to 9999.
When controller allow one granted card, it will allow 3 seconds to wait user to keyin function code.

a. Arming Security: If user keyin PPPP EN then EG-521RS will be at arming status. The LED of "Power/Alarm" will turn to orange color. "Arming Delay Time" function please refer to command E.

b. Disarming Security: If user keyin PPPP DIS then TW-521 will be at disarming status.

K. Change Edit Password: Press 0 9* O OO O OO N NN N NN ◢ where OOOOOO is the new password and must be same as NNNNNN and be from 000000 to 999999. If OOOOOO and NNNNNN are not same value, then this command will not be accepted.

L. Open Granted Password: Press 19 *N * PP PP ◢ where N is from 0 to 4, PPPP is from 0001 to 9999. It means that there total 5 sets of password can be set to open the door. If Open-Door password want to be deleted, then PPPP must be set as 0000. If users want to open door, they must key-in PPPP.