

A. Package content

- Controller x 1, Hanger x 1, Accessory kit x 1 (Plastic screw x 4, Fastening screw x 4, 1N4004 x 1),
Cable (2pin x 1, 5pin x 1, 6pin x 1, 8pin with RJ45 x 1), CD x 1, Warranty card x 1, Installation Guide x 1

B. Specification

- Power input : 9-24V DC
- Recommended power : 12VDC / 500 mA or more
- Wiegand range : Max 100M
- RS485 range : Max 1000M
- Relay : DC30V-2A
- Default IP : 192.168.0.66

■ Physical Dimension : 78.5 x 129 x 23 (mm)

■ RECOMMENDED

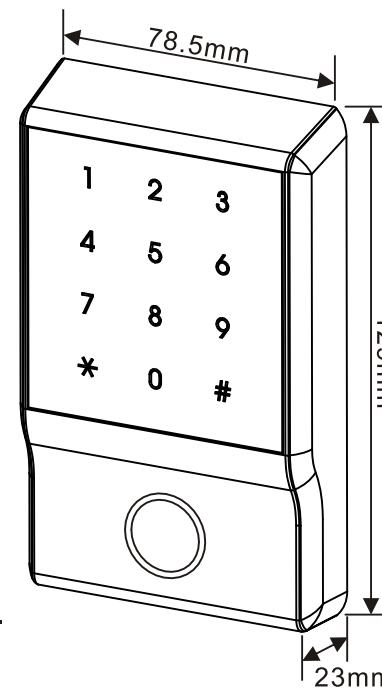
- Cable with shielded, Linear DC power supply, Network cable.

■ Notice

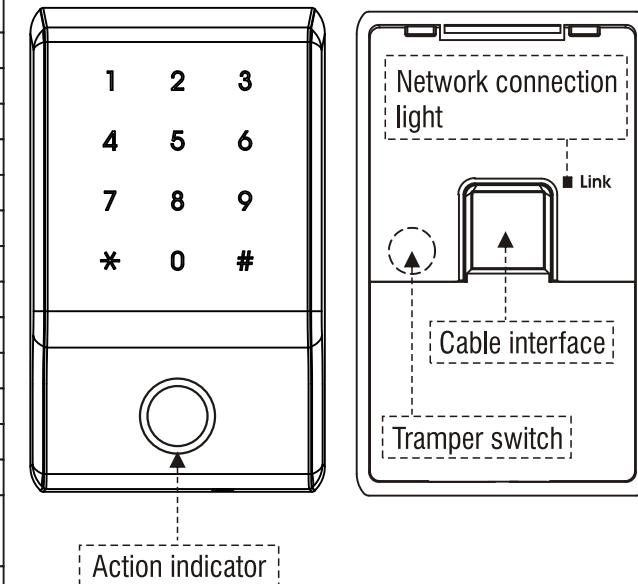
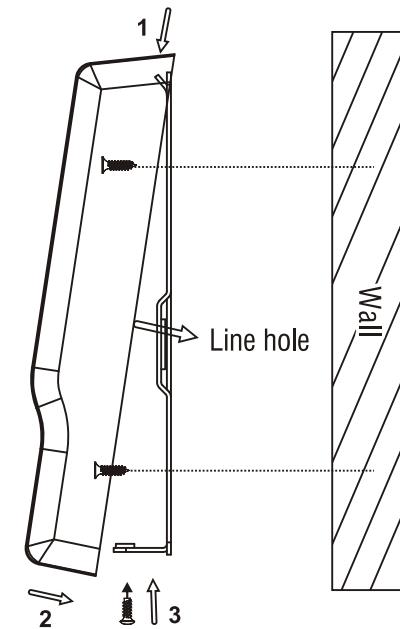
- Do not connect other cable to the power except the power cable.
- Do not apply any unverified power supply, otherwise system may be damaged or have an unstable condition.

C. Action Description

| Command | Buzz | LED | LED status |
|---|-----------------------------|--------------|---|
| Run in boot (please contact technical) | | White | flash per one sec |
| Standby mode | | blue | flash per one sec |
| System ready for dummy reader (disconnected with SEMAC) | | blue & red | alternately flash per one sec |
| Security active (To be SEMAC reader) | | red | flash per one sec |
| Illegal card/password | 1 long beep | red | keep light two sec |
| Available card/password | 1 short beep | green | keep light until relay is not trigger |
| Force open/ unlock | | green | keep light |
| Force close | | red | keep light |
| IP conflict | 1 short & 1 long beep | red & keypad | flash per one sec |
| Door open too long/Intrusion | keep short beep per one sec | red | flash per one sec until event is solved |
| Enter command mode | 1 short beep | blue & red | together flash per one sec |
| Read card under command mode | | blue & red | alternately flash per one sec |
| Modification fail | 1 long beep | | |
| Disassemble | keep beeping | | |
| Waiting for next verification (Ex: Multiple verification time zone, card + password) | | keypad | flash per one sec (contunue 10 sec) |
| Enter wrong password 3 times | | keypad | No action 30 sec |



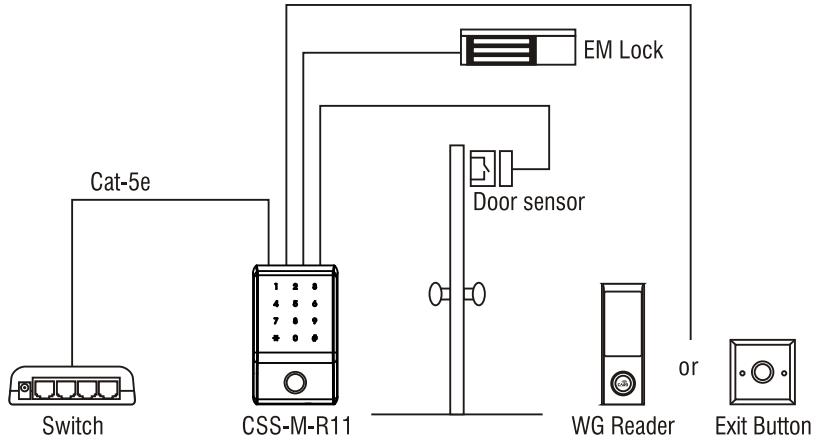
D. Installation



CSS-M-R11 Stand-alone Wiring Instructions

E. Application structure

(Stand-alone + WG Reader Architecture)



F. Cable description

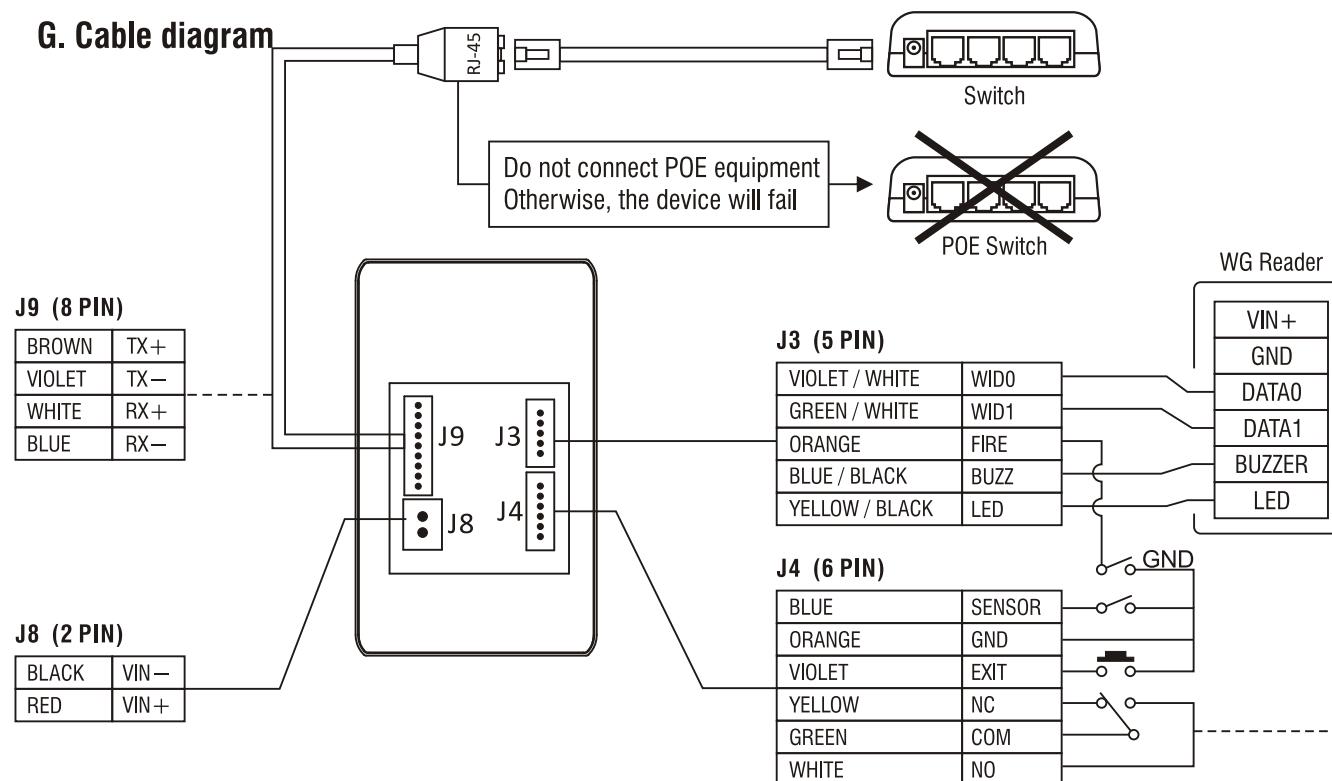
| J9 8PIN with RJ45 | | CAT.5E | | Ethernet |
|-------------------|-----|--------|----------------|----------|
| 1 | TX+ | BROWN | ORANGE / WHITE | TX+ |
| 2 | TX- | VIOLET | ORANGE | TX- |
| 3 | RX+ | WHITE | GREEN / WHITE | RX+ |
| 4 | RX- | BLUE | GREEN | RX- |
| 5 | N/A | | N/A | |
| 6 | N/A | | N/A | |
| 7 | N/A | | N/A | |
| 8 | N/A | | N/A | |

| J8 1 PIN | | Power Input | | DC9-24V/ 500mA | |
|----------|------|-------------|----------------|----------------|--|
| 1 | VIN- | BLACK | Power Input | | |
| 2 | VIN+ | RED | DC9-24V/ 500mA | | |

| | | | | |
|----|---|------|----------------|---------------------|
| J3 | 1 | WIDO | VIOLET / WHITE | WG Input |
| | 2 | WID1 | GREEN / WHITE | |
| | 3 | FIRE | ORANGE | Fire Alarm |
| | 4 | BUZZ | BLUE / BLACK | Control WG reader |
| | 5 | LED | YELLOW / BLACK | LED / buzzer action |

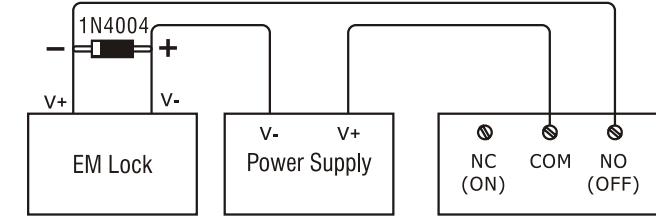
| | | | | |
|----|---|--------|--------|-------------|
| J4 | 1 | SENSOR | BLUE | Door Sensor |
| | 2 | GND | ORANGE | GND |
| | 3 | EXIT | VIOLET | Exit Button |
| | 4 | NC | YELLOW | Door Relay |
| | 5 | COM | GREEN | |
| | 6 | NO | WHITE | |

G. Cable diagram

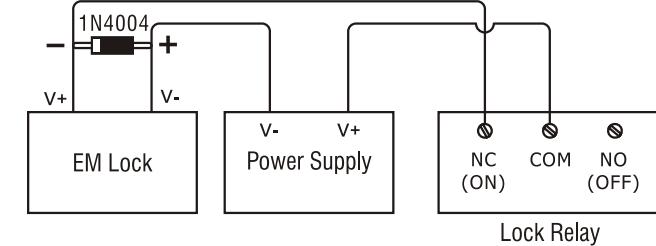


※ Door Relay Connect.

• Power off Lock



• Power on Lock



H. Standalone command operating instructions

| Configuration Parameters | Action | Explanation |
|---|-------------------------------------|---|
| User ID number | UUUUUU | 1~6 digits (standard version: 20,000) |
| Number of cards you want to register in WebPass | QQQQQQ | 1~6 digits |
| Password | PPPPPPPP | 4~8digits |
| Command | Action | Explanation |
| Enter to command mode | * 1 2 3 4 5 6 # | Default password: 123456 , Buzzer long beeps after entered to command mode. On Command Mode: Blue and Red LEDs flash in the same time. After 10sec, it will back to Normal mode: Blue LED flashes per second. Command Error: 1 long beep |
| Password modification for entering command mode | 0 6 * AAAAAA * BBBBBB * CCCCCC # | AAAAAA : Old password BBBBBB : New password CCCCCC : New password again ※ Password is 4~6 digits |
| Door open relay configuration (Door close delay time) | 0 2 * TTTTT # | Time for relay can be: 1-65535secs/ Default :10sec |
| Door open waiting time(Door open delay time) | 0 3 * TTTTT # | Time can be setting:1~65535 sec/Default:10sec |
| System time setting | 0 4 * HHMMSS # | HHMMSS=Hour/Minute/Second(24H) |
| System date setting | 0 5 * YYMMDDX # | YYMMDDX=Year/Month/Date/Weekday (YY=AD last two digit= 2009=09) |
| Setting for TID nr. (Terminal ID) | 0 7 * TTTTT # | TID nr. can be: 1 ~ 65535 |
| Access control setting (Relay) | 0 8 * T # | T= 0/1/2 → Force Open/ Force Close/Back to Normal |
| Verification mode setting | 0 9 * T # | T =1~4 1 : Card, Common Password, or Personal Password 2 : Card only 3 : Common Password or Personal Password 4 : Card and Personal Password |
| Common Password setting | 1 0 * PPPPPPPP # | ★ Default is 1234, to cancel it, please go to web to remove it. |
| Add single user | 1 1 * UUUUUU # read card | Read card for registration (LED blue & red lighten) |
| Add single card + password user | 1 1 * UUUUUU * PPPPPPPP # read card | Read card for registration (LED blue & red lighten) |
| Add many users: card numbers are continuous | 1 2 * UUUUUU * QQQQQQ # read card | Just Put the card with the smallest card number to Reader |
| Add many users: card numbers are discontinuous | 1 3 * UUUUUU * QQQQQQ # read card | Put the cards one by one to Reader |
| Disable user account(User status : Cancel) | 1 4 * UUUUUU # | |
| Enable user account (User status: Active) | 1 5 * UUUUUU # | |
| User password modification | 1 6 * UUUUUU * PPPPPPPP # | 4~8 digits (Password) |
| Modify user card Number | 1 7 * UUUUUU # read card | |
| Delete single user account | 2 1 * UUUUUU # | |
| Delete /continuous user accounts | 2 2 * UUUUUU * QQQQQQ # | |
| Delete all of user accounts | 2 3 * 2 9 * # | |
| Exit from command Mode | * # | |

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.