Installation Guide

OP1000 series

Applicable Models: OP1000/1200, 1011/1211, 1022/1222

Version: 1.0

Date: December 2018

1 Material preparation

1. **Tools:** a measuring tape, an adjustable wrench, an impact drill and a small screwdriver (included in the package).
2. **Material:** PVC fireproof and fire insulation tube (diameter≥25mm), standard three-core power extension wire, M12 expansion screw (included).
3. Thread the connection wire of the device through the tube before laying them underground.
4. The power and signal wires should be set separately for distinguishing strong and weak power. It is recommended to let a professional completes the wiring.
5. The device must be connected to the ground.

2 Electrical test before installation

Steps of the test:

1. Connect the machine with a temporary test cable with input power AC 100 ~ 240V adaptive (**Note: must be grounded**).
2. Turn on the built-in air switch of the brake and wait 10 seconds to let the brake complete the self-check procedure.

3. Make sure the brake is working properly and check the LED indicator. If all goes well, you can start the civil installation program. In case of any abnormality, please contact your seller.

3 Equipment installation and fixing

1. The installation location of each machine is determined according to the specific system composition, the site and the type selected.
2. Based on the requirements of the installation schematic diagram, confirm the location of the installation hole and embed four M12 expansion screws accordingly.
3. Before fixing the equipment, please put the equipment in order and check whether the infrared sensor is aligned. After powered on, there will be no warning as long as the infrared sensor is not covered and functioning properly.

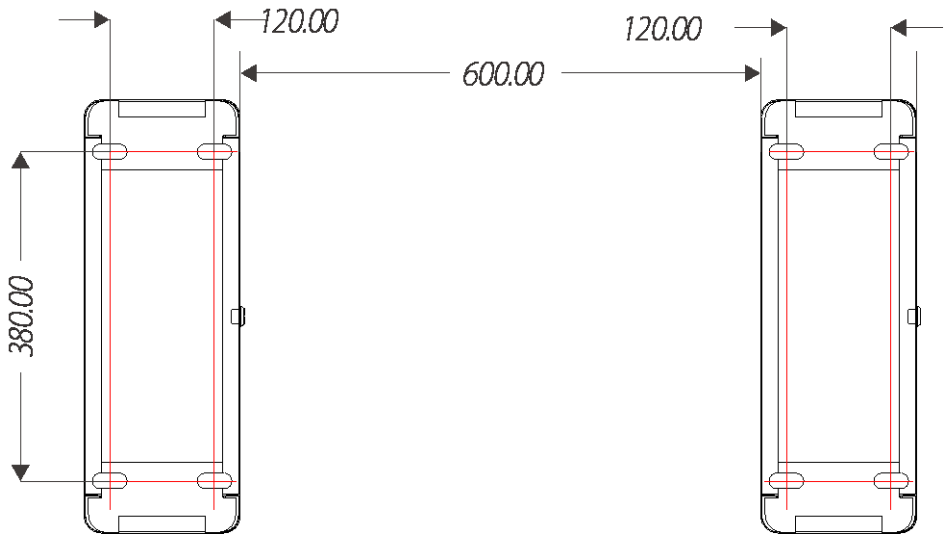

Figure 3-1

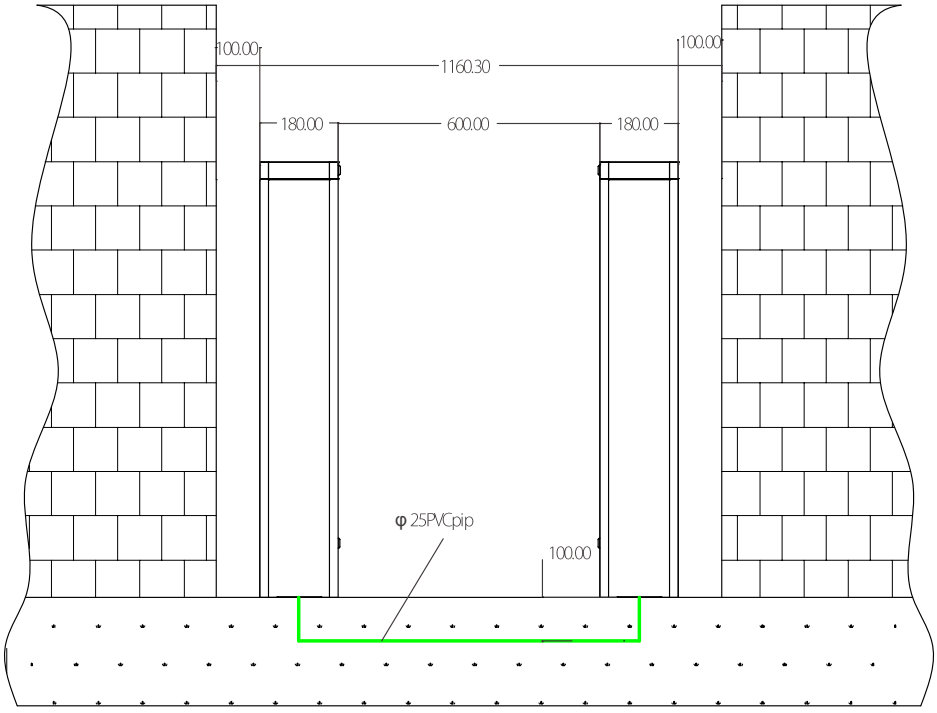

Figure 3-2

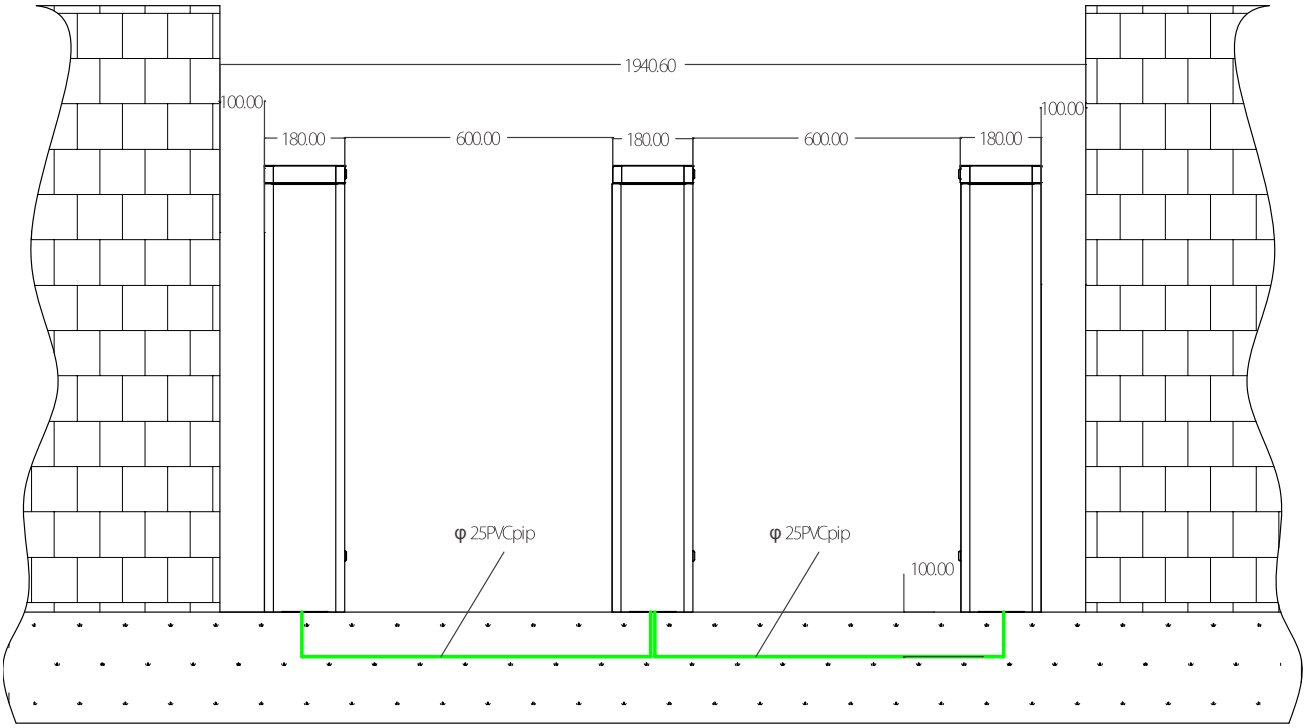

Figure 3-3

4 Equipment wiring and debugging

4.1 Internal wiring diagram

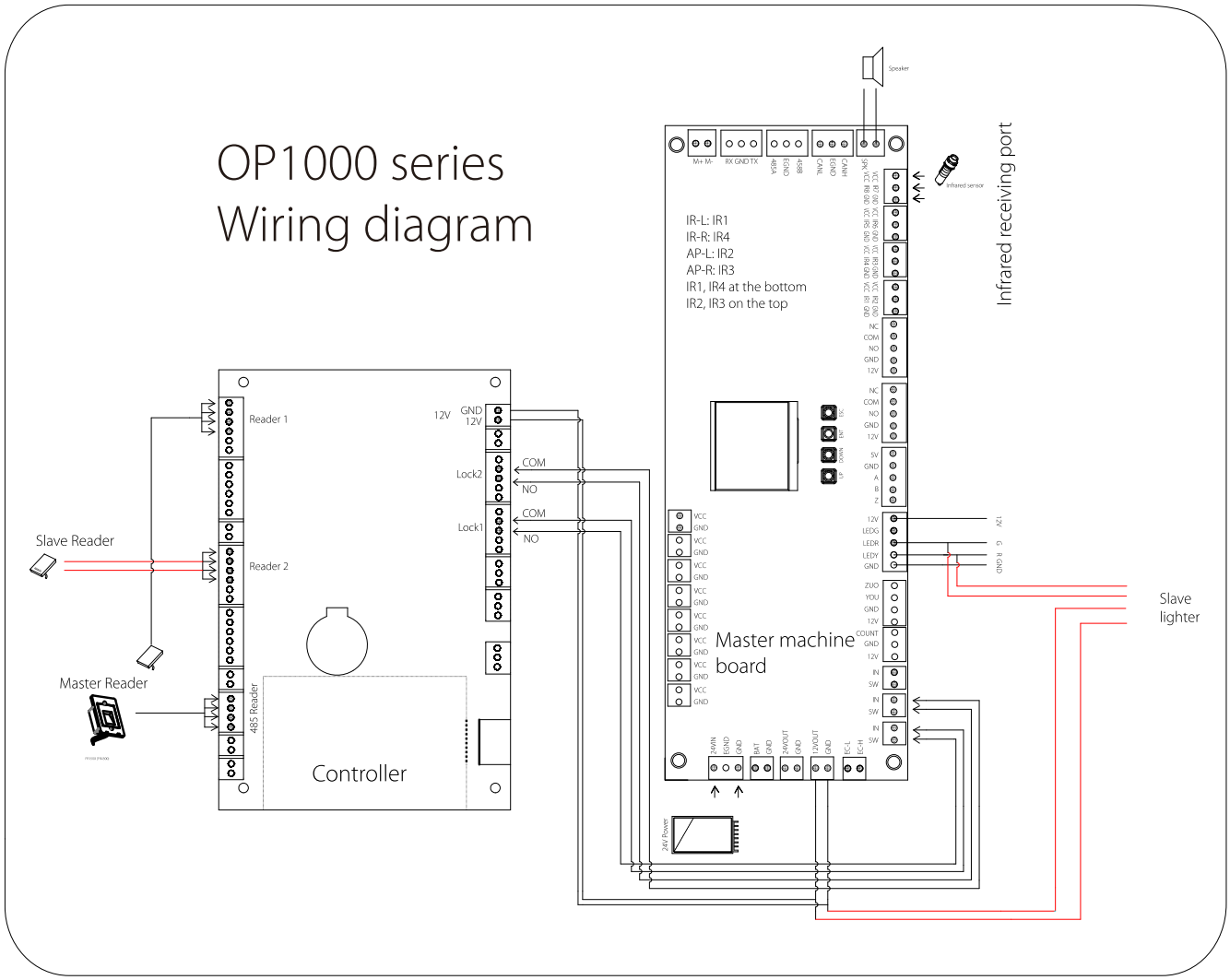

Figure 4-1

4.2 Master and slave wiring diagram

The connection between the master and the slave is illustrated with red lines in Figure 4-1.

5 Menu introduction

5.1 Function introduction

1. After powered on, the LCD screen on the control board will display a default status, which represents the current work mode.
2. There are 4 buttons, namely, “UP”, “DOWN”, “ENT” and “ESC” on the control board, as shown in Figure 5-1:

UP: to move a menu item upwards or increase the value.

DOWN: to move a menu item downwards or decrease the value.

ENT: to enter menu setting item or confirm the current modified value.

ESC: to return to the previous menu or to cancel the current operations.

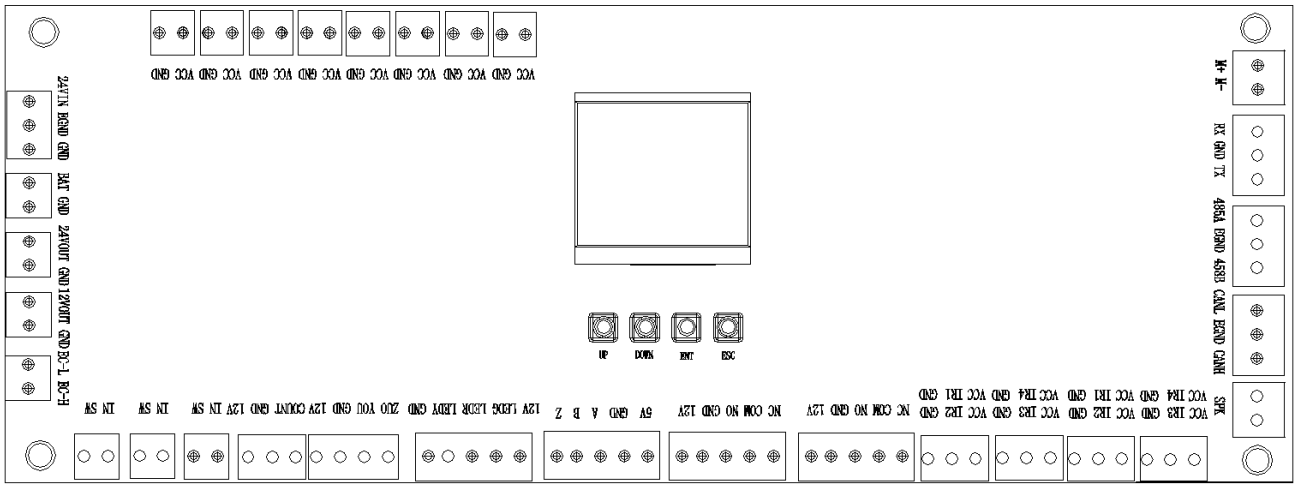

Figure 5-1

5.2 Menu introduction

1. Open duration (Press ‘ENT’ to modify)

After the gate is opened, it will automatically close if no one passes through within a certain time duration. The default value is 5 seconds.

The current value is: xxx. Press “UP” or “DOWN” to change the value, then press “ESC” to return.

The setting is completed. Press “ESC” to exit.

2. Opening mode (Press ‘ENT’ to modify)

You may unlock by card swiping or infrared induction. There are four available choices as listed below. The “Freedom” mode represents unlock by infrared induction.

0: Bi-direction card swiping. (→ C, C←)

1: Card swiping on the left. (→ C, F←)

2: Card swiping on the right. (→ F, C←)

3: Bi-direction controlled by the IR sensor. (→ F, F←)

The current value is: xxx. Press “UP” or “DOWN” to change the value, then press “ESC” to return. The default value is 0.

The setting is completed. Press “ESC” to exit.

3. False direction entry (Press ‘ENT’ to modify)

Set whether to trigger the alarm when reverse intrusion occurs.

The current value is: xxx. Press “UP” or “DOWN” to change the value, then press “ESC” to return. The default setting is enabled.

The setting is completed. Press “ESC” to exit.

4. Anti-tailgate (Press 'ENT' to modify)

Set whether to enable following intrusion detection.

The current value is: xxx. Press "UP" or "DOWN" to change the value, then press "ESC" to return. The default setting is enabled.

The setting is completed. (cancel or set). Press "ESC" to exit.

5. Memory function (Press 'ENT' to modify)

Whether to record the number of swiping. When the function is enabled, swipe several times to record several permissions.

The current value is: xxx. Press "UP" or "DOWN" to change the value, then press 'ESC' to return. The default setting is disabled.

6. Firefighting signal setting (Press 'ENT' to modify)

Select whether to enable the fire green channel function and select with what signal triggered.

0 — Unavailable

1 — Pulse signal

2 — Continuous signal

The current value is: xxx. Press "UP" or "DOWN" to change the value, then press 'ESC' to return. The default value is 0.

The setting is completed. Press "ESC" to exit.

Note: please set the same value for the master and slave devices.

7. System working mode (Press 'ENT' to modify)

1 — Working mode

2 — Factory Reset

There are two modes available. The working mode is the normal working mode of the machine, while the factory reset mode is to restore brake parameters to default values.

The default value is 1. Device normally working.

8. Volume setting (Press 'ENT' to modify)

Adjustable range: from 0 to 15

0 is the minimum value; 15 is the maximum value.

The current value is: xxx. Press "UP" or "DOWN" to change the value, then press 'ESC' to return. The default value is 8.

The setting is completed. Press "ESC" to exit.

9. Version

Version information of the device.

5.3 Operation and instruction of menu

Press the **ENT** button, enter the password input interface. The default password is: **UP, UP, DOWN, DOWN, DOWN, DOWN.** You may press the **ESC** button to erase the last input. After entering the menu, press **UP** or **DOWN** to choose a menu item, then press **ENT** to enter the interface and adjust such function or value.

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