Installation Guide

Speed gates SBTL8000 series

Applicable Model(s): SBTL8000, SBTL8011, SBTL8022, SBTL8033, SBTL8200, SBTL8211, SBTL8222, SBTL8233

Version: 1.0

Date: June 2019

1 Preparation

1. **Tools:** a measuring tape, an adjustable wrench, an impact drill and a small screwdriver (included in the package).
2. **Material:** a PVC anti-fire and insulation tube (diameter≥25mm), standard three-core power extension wire, tether cable (random configuration), M12 expansion screws (included in the package).
3. Thread the connection wire of the device through the tube before assembly.
4. The power and signal wires should be set separately to easily distinguish strong and weak power. Please invite professional personnel to complete the wiring. The device must be connected to the ground.

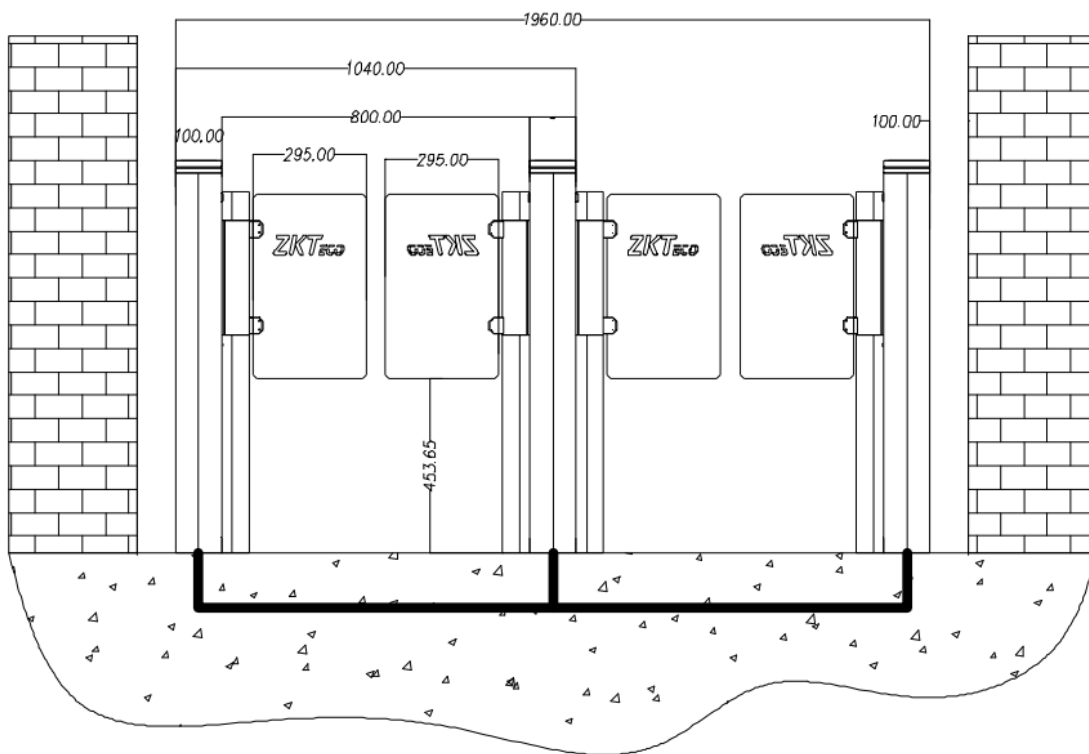Below is the outline and dimensions of SBTL8000:

Figure 1-1

2 Installation

1. Prepare the tools for product installation and sort out the auxiliaries according to the packing list.

2. Drill holes after determining the hole positions based on the mounting template as shown in Figure 2-1. Insert the expansion bolt into the holes accordingly.
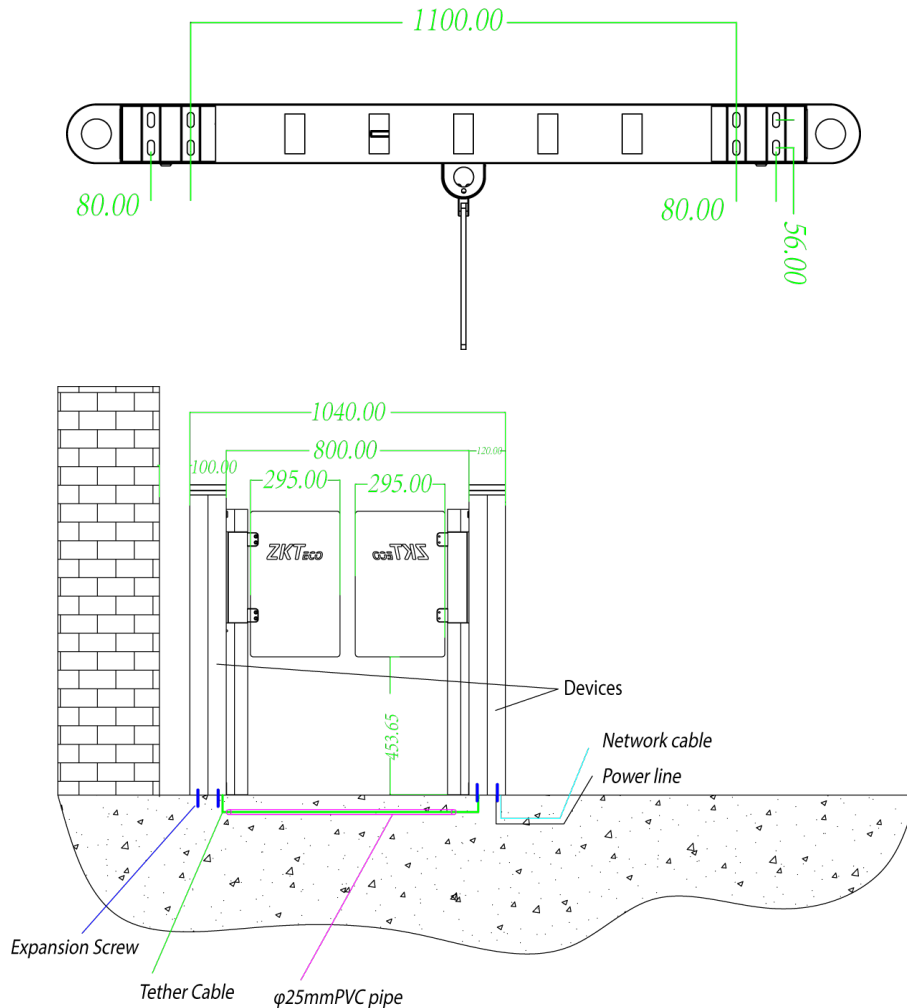

Figure 2-1

3. Tighten the nut preliminarily, then connect the master and slave devices with wires.

4. Test the operations of the device after connecting it to the power supply with the temporary cable. Make sure that the ground wire of AC power is connected to the cabinet of the device.

5. Turn on the air switch to test whether the device is working properly. Wait for 10 seconds for the turnstile to complete the self-test program. At the same time, check if the indicators work properly. If everything works fine, you can fasten the ground screw nuts and fix the device. If an exception occurs, please contact your vendor.

3 Debugging Functions

● **Operating instruction**

1. After powered on, the LCD screen on the control board will display the default state showing the current working mode.

2. There are 4 buttons on the control board: UP, DOWN, ENT, and ESC, as shown in Figure 3-1.

UP: to move upwards or increase the value.

DOWN: to move downwards or decrease the value.

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

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

● **Menus**

1. Position adjustment of the swing barrier

Type: zero (default)

Left limit

Right limit

2. Passing mode

Opening mode: Two-way swipe (default)

Left free, Right swipe

Left swipe, Right free

Two-way free

Left prohibit, Right swipe

Left swipe, Right prohibit

Left prohibit, Right free

Left free, Right prohibit

Two-way prohibit

3. Opening 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 value ranges from 2 to 60.

4. **Reverse intrusion**

   Mode: Close the door and voice alarm

   Voice alarm only (default)

   Turn off reverse detection

5. **Trailing alarm detection**

   Mode: Turn off trailing detection

   Voice alarm only (default)

   Close the door and voice alarm

6. **Opening speed**

   Speed value: 1~20 (default 1)

7. **Closing speed**

   Speed value: 1~20 (default 1)

8. **Swiping mode**

   Method: Allow the card to be swiped in the channel (default)

   Do not allow card swiping in the channel

9. **Reset counter**

   Reset: Out counter (default)

   Into the counter

   All

10. **Gate closing delay time**

    Time: 0~10 (default 0)

11. **Brake unlock mode**

    Mode: Delay unlock (default)

12. **Brake starting angle**

    Angle: 1~10 (default 3)

13. **Fire alarm signal**

    Signal: right open

Left open (default)

Shut down

14. Volume setting

Volume: off

The value ranges from 1 to 16 (default 5).

1 is the minimum value; 16 is the maximum value.

15. Audio prompt for gate opening swift

Enable or not: No (default)

Yes

16. Infrared anti-pinch

Mode: Turn off the anti-pinch feature

Enabling anti-pinch (default)

17. Infrared anti-pinch area

Area selection: Disable during In and out of infrared (default)

All infrared zone anti-pinch

18. Memory opening

Whether to open: No (default)

Yes

19. System working mode

Mode: working mode (default)

Test mode

Restore to factory

20. Version number:

Version: V9.0.0

4 Troubleshooting

Number	Failure descriptions	Analysis and solution
1	The mode indicator light does not respond or the indication is incorrect.	Check that the control panel mode indicator wiring is correct or that the contact is poor.
2	After swiping the card, there is only a speed gate unlocked.	Check the mode setting of the master and slave devices and the 8-core, 2-core connection lines. See the wiring diagram for the specific connection circuit.
3	The barrier doesn't close when the opening delay time is ended.	Check to see if the opening delay time is too long or whether the IR sensor is covered.
4	When the gate is self-tested, the swing arm is not in the normal closing position!	In the process of self-test, there are obstacles, please remove the obstacles, restart the self-test after power-on!

5 Wiring Diagram
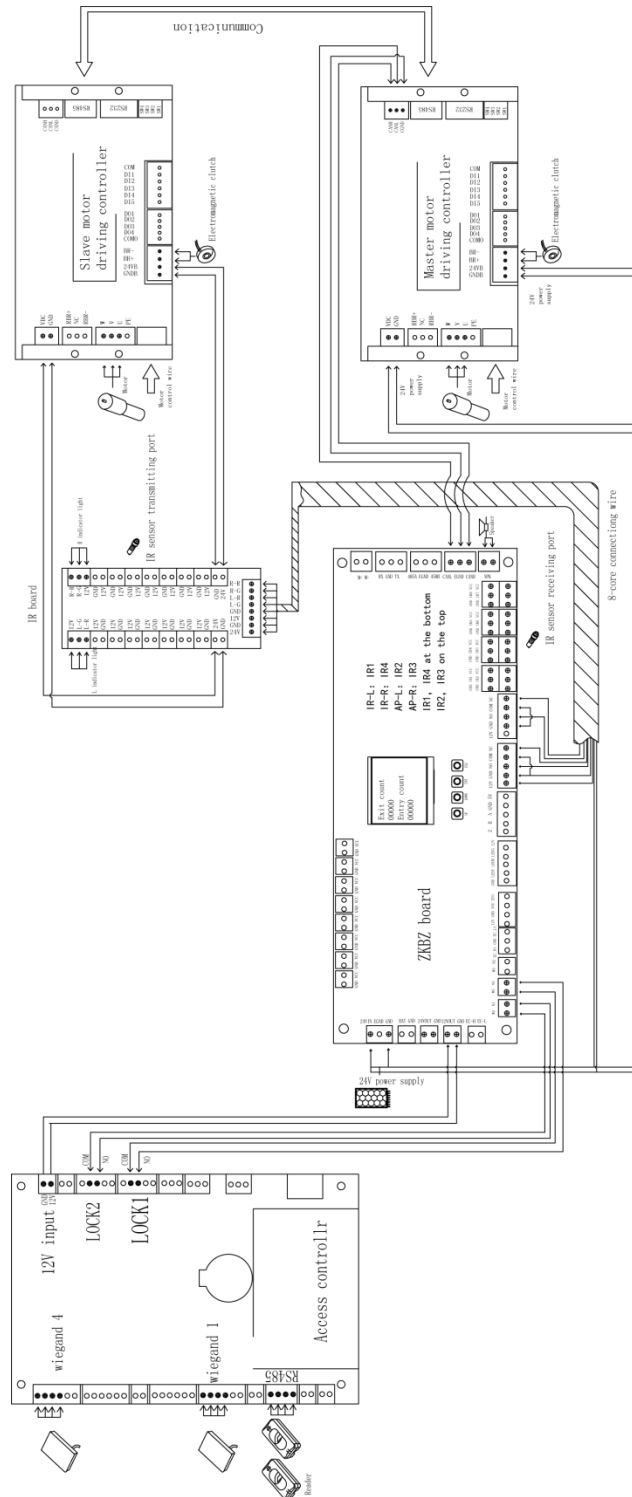
Below is the wiring diagram:

Figure 5-1

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