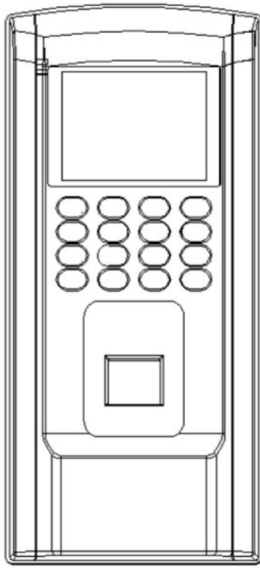


## Installation Guide

Version: V1.2

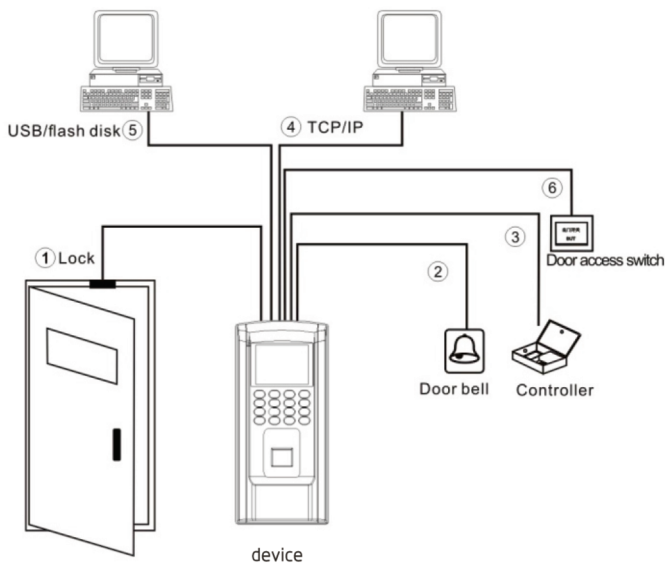


All functions are to the actual product, due to the constantly updated products, the company can not promise. The actual product is consistent with the data, while not assume because the actual technical parameters and this information does not match. Any dispute resulting from any change without prior notice.

## I. Notes for Installation

1. 3A/12VDC is recommended to supply power for the device.  
Consult relevant technical personnel for details.
2. Connect to other cables before connecting to power cable.  
If the device is found not to be operating normally, cut off general power switch before conducting necessary examinations.  
Caution: All connecting cables with power on may damage the device, and we are not responsible for normal warranty repair for any such operations.
3. Please read the instruction for connecting terminal and follow the rule for connection strictly. Any damage of the device as a result of wrong operations is not within the warranty scope.
4. All exposed parts of the connecting terminal shall be wrapped with insulation tape so as to prevent from any damage of the machine resulted from accident contact.
5. In the place with serious static electricity or in winter, connect to ground wire before connecting to other cables so as to prevent from damaging the device by overlarge instantaneous static electricity.
6. If the distance between power source and the device is too long, do not use a network cable or any other type of cable for replacement. And voltage attenuation possibly caused by over long transmission distance shall be considered in terms of choice of the power cable.

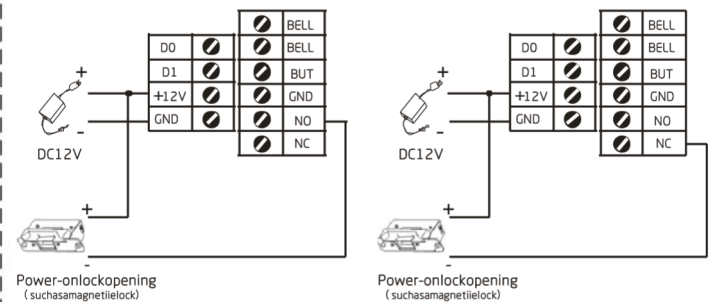
## II. Diagram of access control system



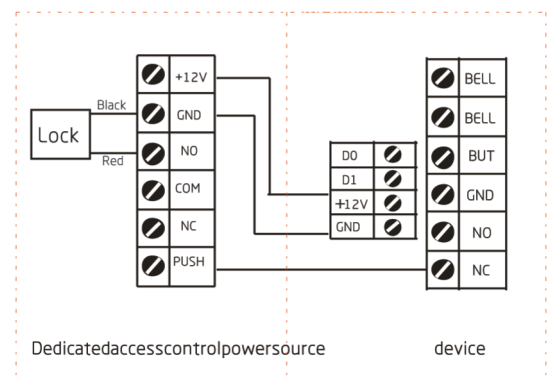
1. When identity of any personnel is verified on the device, the device outputs lock control signal and opens the lock.
2. A door bell can be connected externally.
3. It can act as an access control reader.
4. It can be connected to PC through TCP/IP, and several terminal devices can be managed easily through access control management software.
5. It can communicate with a computer via USB.
6. An access switch can be connected so that the door can be opened indoors.

## III. Connect to door lock

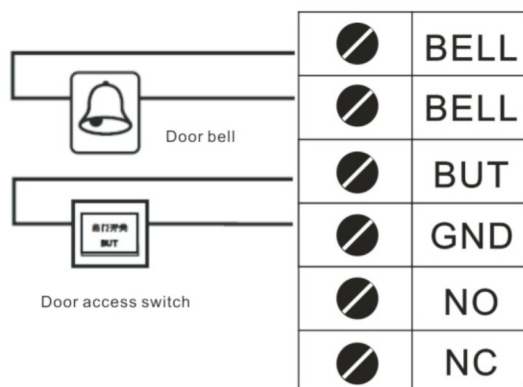
### 1. Connection diagram for single device



### 2. Power connection diagram for using dedicated access control system

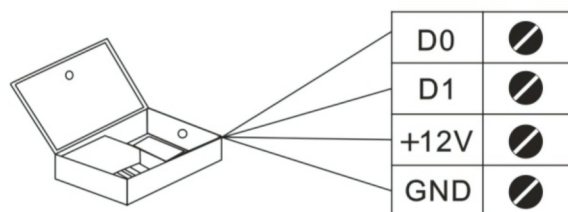


## IV. Connect to other devices



## V. Wiegand output

The device is furnished with Wiegand 26 output, and it can be connected to access control systems of most of manufacturers on the market, and this device is only used as a reader at this time.



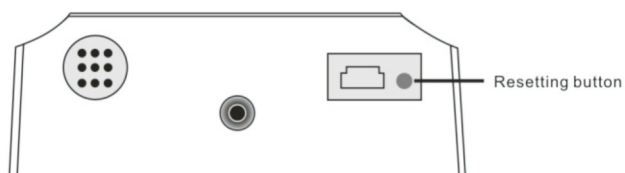
### Caution:

1. The distance between the device and the access control system or reader shall not be over 80 meters (Use a Wiegand signal extender when required transmission distance is longer or there is interference for the environment for use)
2. Whether a power source is commonly used by the device with an access control system or card reader, the device and the access control system or card reader shall be grounded to ensure stable wiegand signals.

## VI. Other functions

### 1. Resetting:

If the device fails to work normally due to wrong operations or other accident faults, use this key for resetting.

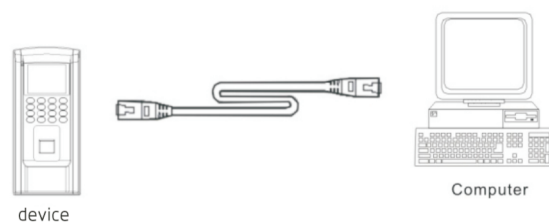


## VII. Communication setting

### TCP/IP communication

The device can be connected to the computer directly or connected to the computer in the same network in a TCP/IP way.

#### 1. The device is connected directly through a crossing network cable;



#### 2. The device and the computer can be connected to the network through an exchanger/hub;

