Installation Guide

2.4-inch Fingerprint Smart A&C Terminal (ZAM70)

Version: 1.0

Installation Environment

Please refer to the following recommendations for installation.

KEEP DISTANCE

AVOID GLASS REFRACTION

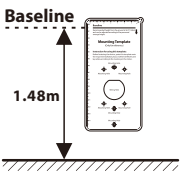
AVOID DIRECT SUNLIGHT AND EXPOSURE

AVOID USE OF ANY HEAT SOURCE NEAR THE DEVICE

Device Installation

① Stick the mounting template sticker to the wall and drill holes according to the mounting template sticker.
② Fix the backplate on the wall with the wall mounting screws.
③ After passing the wires through the wiring hole and connecting them to the device, and then snap the device onto the backplate and push it down into place.
④ Fasten the device to the backplate with a security screw.

❶



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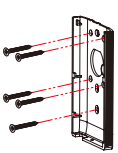

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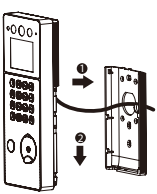

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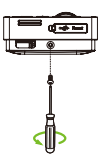
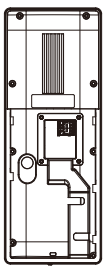
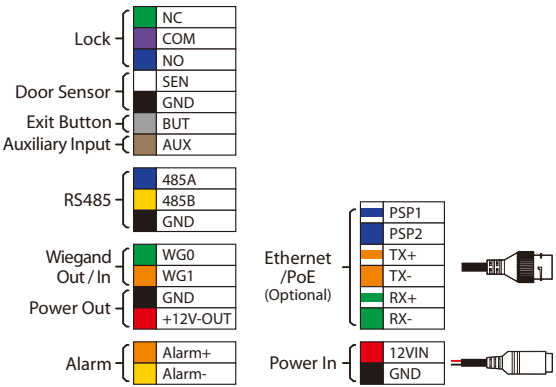
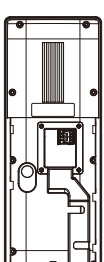


Terminal Block

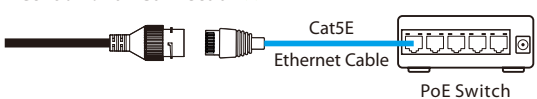




Power Connection



Method 1: PoE Connection ★

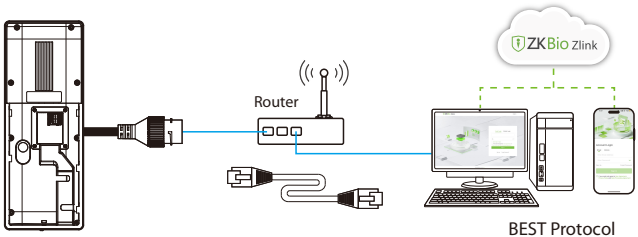


Method 2: AC Adapter Connection

Note: When PoE is supplying power externally, there are power consumption limits for the electric lock. It is recommended that the power consumption not exceed 12V / 0.85A (constant current, including peak current).

Ethernet Connection

Connect the device and computer software via an Ethernet cable. As shown in the example below:

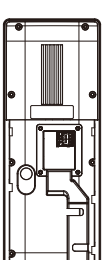


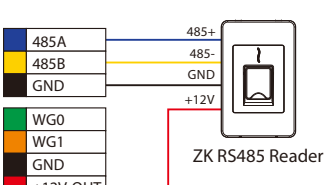
Enter [**COMM.**] > [**Ethernet**] to set the relevant parameters of network.

Notes:

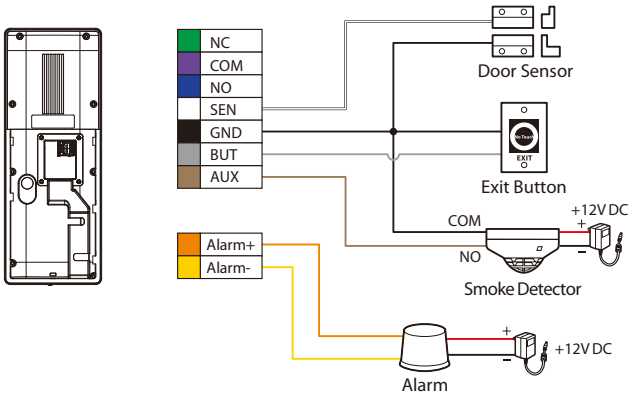
1) The device type is **BEST Protocol** by default. You can switch to T&A PUSH to connect to BioTime Cloud/ZKBio Time, or switch to A&C PUSH to connect to ZKBio CVAccess.
2) The device needs to access the external network when connecting to ZKBio Zlink / BioTime Cloud.

RS485 Connection

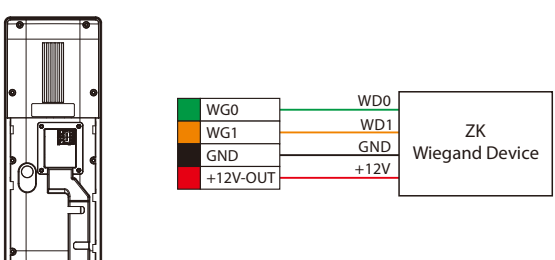




Exit Button, Door Sensor, Alarm & Auxiliary Connection



Wiegand Connection



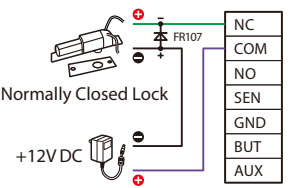
Note: The Wiegand interface is shared, and the user can choose to use either the Wiegand input or Wiegand output function to interface with different Wiegand devices.

Lock Relay Connection

The system supports both **Normally Opened Lock** and **Normally Closed Lock**. The **NO LOCK** (normally opened at power on) is connected with '**NO**' and '**COM**' terminals, and the **NC LOCK** (normally closed at power on) is connected with '**NC**' and '**COM**' terminals. Take NC Lock as an example below:

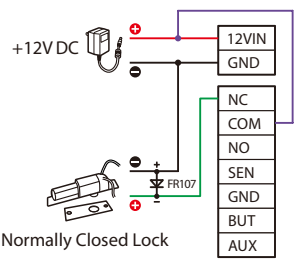
1) Device not sharing power with the lock

⚠ Do not reverse the polarity.



⚠ Maximum 30V 3A input.

2) Device sharing power with the lock



Note: Tested with an electric mortise lock rated at 0.35A or 0.65A and 12V. If the current exceeds these values, power consumption limitations apply to the electric lock, it is recommended not to exceed 12V / 1.8A.