



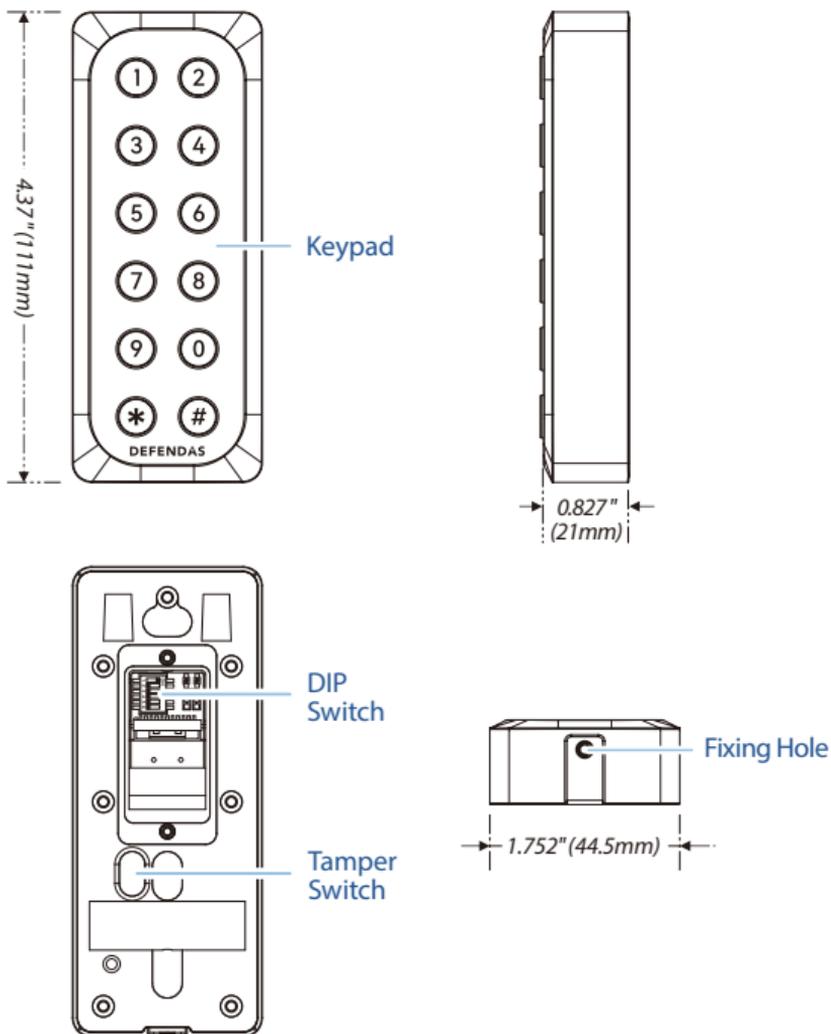
DEFENDAS

Quick Start Guide

ST902MEK

Version: 1.0

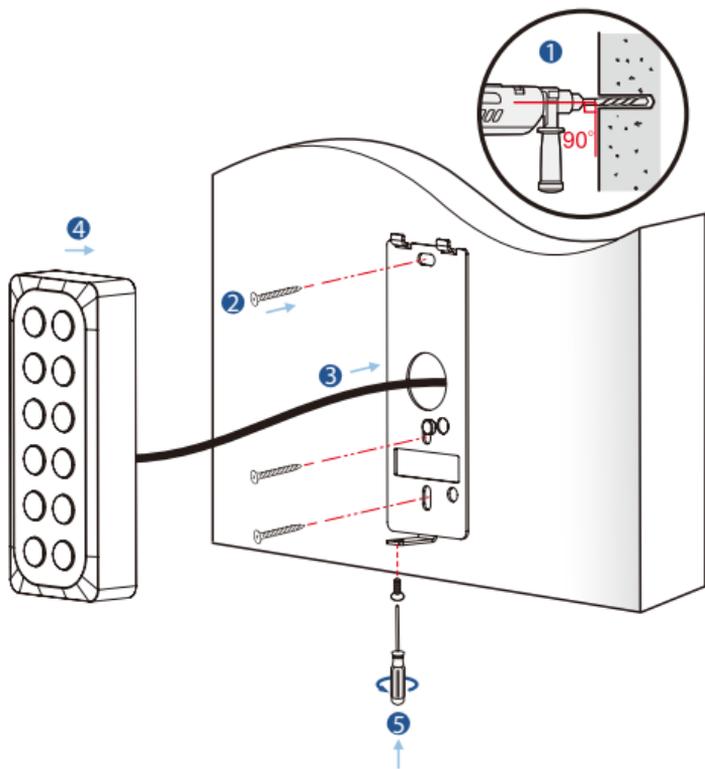
1. Overview



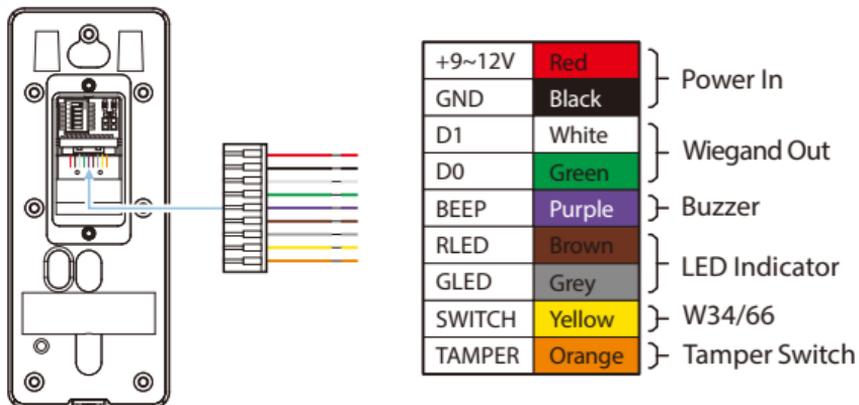
2. Device Installation

Install on the wall via the backplate

1. Drill holes in the wall at suitable locations according to the holes in the backplate.
2. Fix the backplate on the wall with the wall mounting screws.
3. Pass the cable through the wiring hole, and then snap the device onto the backplate from top to bottom.
4. Fasten the device to the backplate with a security screw.



3. Terminal Block



4. Hardware Parameters

Working environment temperature: $-4^{\circ}\text{F}\sim 140^{\circ}\text{F}$ ($-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$)

Swipe distance: $< 1.575"$ (40mm)

Card reading speed: < 0.3 seconds

Voltage: DC 9V~12V

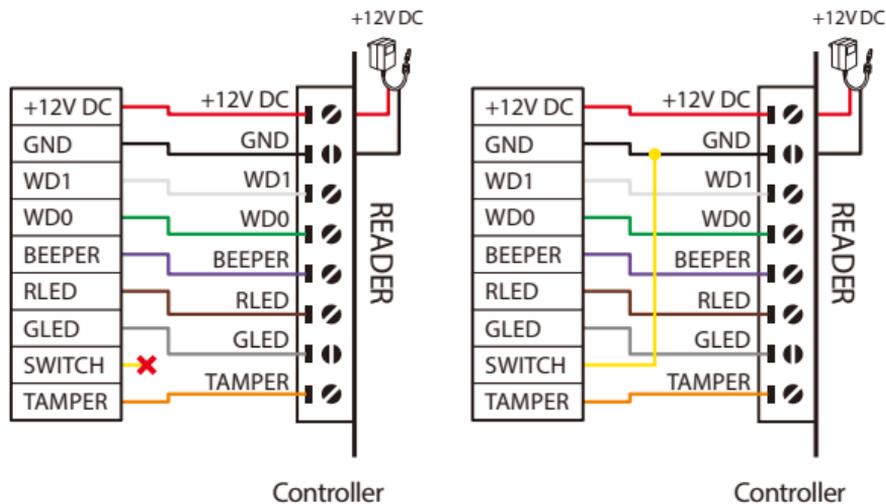
5. Password Verification

The * key is the delete key. The # key is the confirmation key. The reader supports **1~8** digit password verification.

6. Communication Methods

Connect the reader to the controller via Wiegand as follows and then connect the +12V power supply. The controller shown in the diagram is only partially wired. The Wiegand wiring reference is shown below:

1. Wiegand format is W34 (default):
2. Wiegand format is W66:



Note:

- 1) The default Wiegand format is W34. It can be switched to W66 when supporting IC cards.
- 2) The format can be switched via the terminal SWITCH. By default, it is W34 when SWITCH is not grounded, and it becomes W66 when SWITCH is grounded.

7. Status Indicator & Buzzer

Working Status	Description
Standby Mode	Breathing blue light, with one breath cycle every 2 seconds.
Card Detected	The buzzer beeps once briefly, and the blue light turns on.
Received the verification result	<p>Successful verification: the buzzer beeps once and the indicator light (green) lights up.</p> <p>Failed verification: buzzer beeps twice, indicator light (red) lights up briefly twice.</p> <p>Authentication mode error: red light, two quick beeps and one long beep.</p> <p>No authority: the buzzer short beep four times, the indicator (red) short light four times.</p> <p>Combination of validation to continue validation: indicator (red) short three times.</p> <p>Combination verification is not completed: buzzer short beep four times (timeout time is 10s), indicator (red) short light four times.</p> <p>Verification timeout: the buzzer sounds three times (timeout is 8s), and the indicator (red) lights up three times.</p>
When the tamper alarm is triggered	The buzzer sounds long, the standby status light remains unchanged. Note: The tamper alarm will be canceled and the beeping will stop after the tamper button (magnet) is held in place for 5 seconds.

