



Definex F1 is a waterproof metal case standalone fingerprint access control with integrated EM or Mifare card reader. IP66 waterproof makes it very suitable for outdoor use; with the slim design, it is an ideal choice to install on door frame. It supports up to 1,000 fingerprint users and 2,000 card users, with Wiegand 26~44bits output, it can also work as a slave reader to connect to a 3rd party controller. It equips with an infrared remote control and master cards for easy operation, and supports fingerprint access, EM or Mifare cards access and multi users access; with external alarm, door contact, exit button.

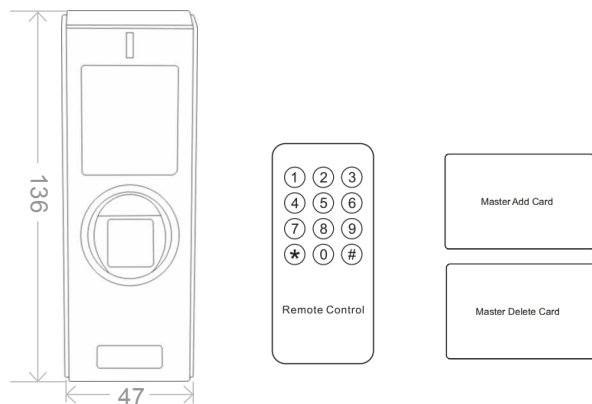


Fingerprint Series

Features

- Alloy Zinc Case, Anti-vandal and Anti-explosion
- Waterproof, conforms to IP67
- Wiegand Input/Output 26-44bits (Default: Wiegand 26)
- User Capacity: 1,000 fingerprint users + 2,000 Card users
- Access mode: Fingerprint, Card, multi-user
- Operated by remote control
- Card Type: 125KHz/EM or 13.56MHz/Mifare optional
- Reading Range: 2~8cm (Depends on card/tags and environments)
- Support setting Authorizing Users
- Multi-color LED status display
- Adjustable Door Output time, Alarm time, Door Open time
- Admin fingerprint or cards can set prohibit/ permit access during certain time
- 2 devices support interlock for 2 doors
- Anti-tamper alarm
- Working Voltage: 12V~24V DC

Dimension(mm)



| Model | DX-F1EM-W | DX-F1MF-W |
|----------------------------|---|-----------------|
| Operating Voltage | 12V DC±10% | |
| Idle Current | Max.42mA | |
| Active Current | Max.150mA | |
| User Capacity | 1,000 Fingerprints + 2,000 Cards | |
| Unlock Mode | Fingerprint, Card, Multi-user | |
| Fingerprint | Resolution | 500dpi |
| | Identification Time | ≤1S |
| | FAR | ≤0.001% |
| | FRR | ≤0.1% |
| Card Type | 125KHz/EM | 13.56MHz/Mifare |
| Effective Reading Distance | 2~8cm | 1~5cm |
| Electric Lock Output | ≤2.0A | |
| Wiring Connections | Relay output, exit button, alarm, door contact, Wiegand input, Wiegand output | |
| Relay | One(NO/NC/COM) | |
| Relay Output Time | 0~99s(Adjustable, default:5secs) | |
| Alarm Output | ≤1A | |
| Alarm Time | 0~3mins(Adjustable, Default:1min) | |
| LED Indicator | Multi LED status display | |
| Keypad | 12 Numeri Keypad with Back Lightings, Touch keypad | |
| Buzzer | Piezo Buzzer | |
| Operating Temperature | -30°C ~ +60°C (-22°F ~ 144°F) | |
| Operating Humidity | 10% ~ 90% Relative Humidity, Non - Condensing | |
| Shell material/Color | Zinc-alloy with Powder Coat | |
| Protection Level | IP67 | |
| Dimension | 136*47*26mm | |
| Weight | 410g | |
| Packing Weight | 500g | |

■ All specifications are subject to change without prior notice.