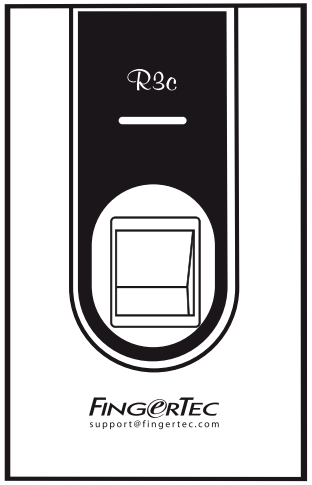
FINGERTEC
www.fingertec.com

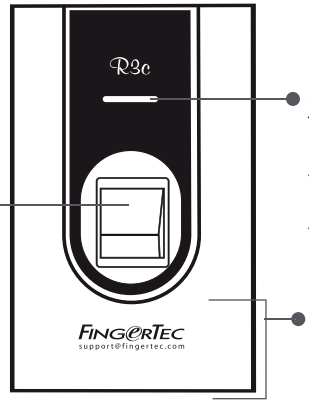
R3c

Slave Fingerprint Access Control Terminal



User Guide

1 INTRODUCTION

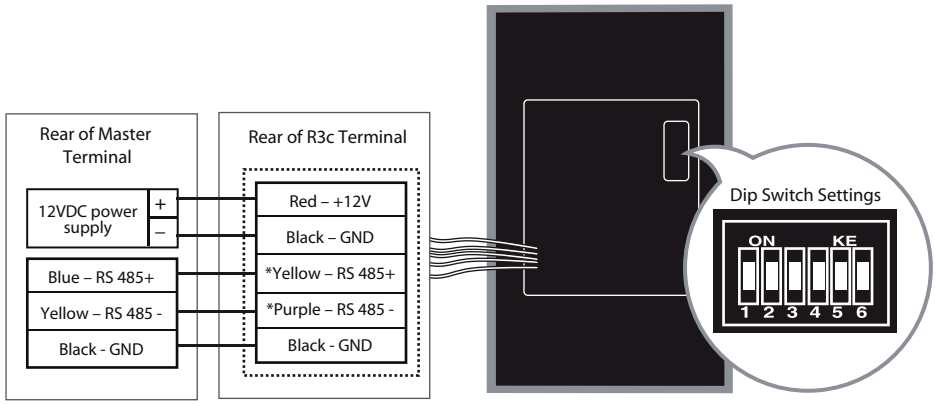


Fingerprint Scanner
Scans and sends fingerprint template to the master terminal for verification.

LED Light Indicator
The red light indicates that the verification process has failed. The green light indicates that the fingerprint or card information is being read and sent to the master terminal for verification.

Card Scanning Area
This area reads and captures details of the cards and sends the information to the master terminal for verification. The default card technology is RFID, Mifare card technology is available upon request.

2 CONNECTIONS & WIRING DIAGRAM

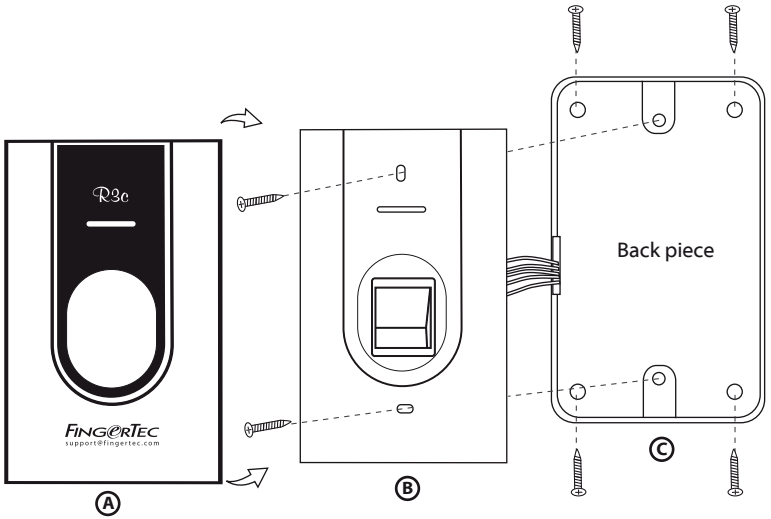


Note:

1. *The R3c will only work with R3 (new and old), R2 (new and old), AC900, Q2i and H2i master terminals.*
2. *The R3c can share the 12VDC power supply with the master terminal.*
3. *It is recommended to use RS485 connection cables with a shielded twisted pair to achieve an optimum speed of data transfer.*
4. *Do not adjust the dip switch unless you are connecting the R3c with the Ingressus controller. If your R3c is unable to send any fingerprint or card data to the master terminal, please check the dip switch. Make sure it is set to the default settings as highlighted.*

3 Installation

Note: *Please read the instructions carefully before installing the R3c.*



1. R3c consists of 2 parts, A and B. Detach the pieces apart.
2. Attach the back plate on a wall by securing the 4 screws properly.
3. Secure B onto the back plate by using the 2 screws provided
4. Attach A piece back into its position.

4 Verification • Fingerprints

1. Make sure the R3c is in its standby mode, where the blue LED light is blinking and the user's fingerprint has been enrolled into a master terminal before you proceed to verify.
2. Place a finger on the fingerprint scanner to scan a fingerprint. You will hear a beep, to indicate the fingerprint has been captured and sent to master terminal to verify.

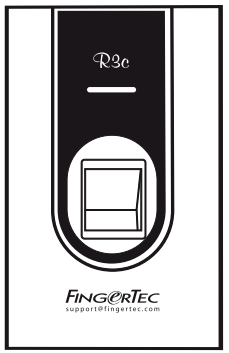
   Verification result:
   - **a. Successful Verification:**
     Green LED blinks accompanied by a beeping sound.
   - **b. Failed Verification:**
     Red LED blinks accompanied by 2 beeping sounds.

5 Verification • Cards

1. Make sure the R3c is in standby mode, where the blue LED light is blinking and a card ID has been enrolled into a master terminal before you proceed to verify.
2. Wave card on the inducation area to capture the card information. You will hear a beep, indicating the card information has been captured and sent to the master terminal to verify.
3. Verification result:
   - **a. Successful Verification:**
     Green LED blinks accompanied by a beeping sound.
   - **b. Failed Verification:**
     Red LED blinks accompanied by 2 beeping sounds.

NOTE: *Specifications are subject to change. Check* ***http://product.fingertec.com*** *for latest product information.*

SPECIFICATIONS	
MODEL	R3c
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)
TYPE OF SCANNER	Non coated optical scanner
MICROPROCESSOR	Managed by master
MEMORY	
ALGORITHM	Supports BioBridge VX 10.0
PRODUCT DIMENSION (L x W x H), mm	80 x 40 x 125 (w/o housing)
PRODUCT WEIGHT, kg	0.14
STORAGE	
Fingerprint templates	Storage in master terminal
Transaction	
ENROLLMENT & VERIFICATION	
Methods	Fingerprint (1:N) & card
Recommended fingerprint per user ID	Managed by master
Fingerprint placement	Any angle
Verification time (sec)	Managed by master
FAR (%), FRR (%)	
CARD TECHNOLOGY	
RFID: 64-bit, 125kHz	Yes
MIFARE: MF1S50/S70, 13.56MHz	Made to order
COMMUNICATIONS	
Method	RS485 *(Connects to Master Terminal)*
OPERATING ENVIRONMENT	
Temperature (°C)	0 ~ 45
Humidity (%)	20 ~ 80
Power input	Managed by master
ACCESS CONTROL	
EM lock driving output	Managed by master
Alarm output	
Antipassback	



R3c

Slave Fingerprint Access Control Terminal

Fingerprint Card