



## TECHNICAL SHEET

### Standalone biometric access control with EM card

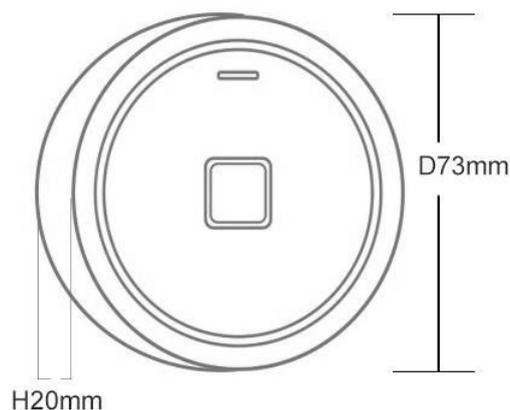


TW-SF7

- Metal access control, water-proof, IP66
- Power supply: 12V DC
- Standby current: <30mA
- Capacity:
  - 100 Fingerprints (capac500 DPI capacity)
  - 890 RF ID 125KHz cards
- Allowable operating temperature: -25 °C to 60 °C
- Size: 73 : **Dimensions**
- Timer: 0-99 seconds
- Invalid card/fingerprint alarm
- Several operating modes:
  - Standalone
  - Toggle mode: Present the card once and the door opens, present the card again and the door closes.

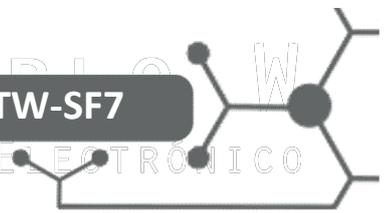
## Dimensions

### Dimensões

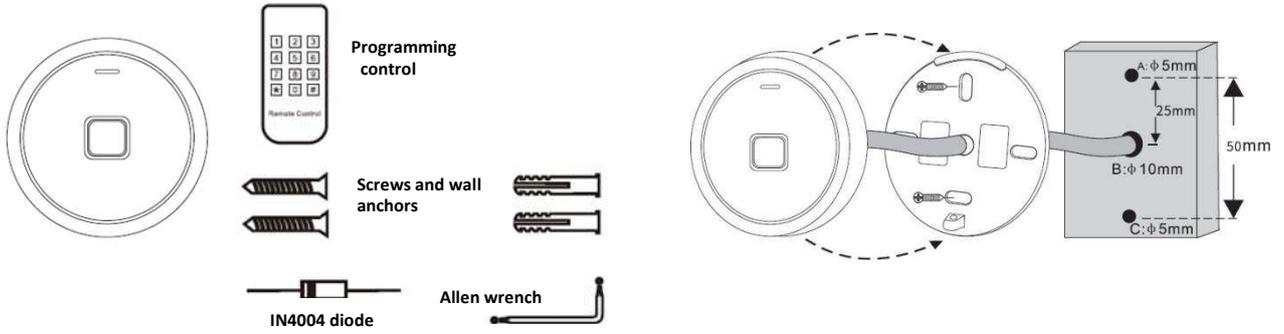


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## Material list and installation





## Setting and Operating Mode

### Enter the programming mode

Enter the programming mode	(Programming password) # <b>NOTE: The pre-set programming password is 123456</b>
Exit the programming mode	Press *

### Modify the programming mode

Instruction	Programming code
1. Enter the programming mode	* 123456 #
2. Modify programming password	0 (New password) # (Repeat new password) #
3. Exit the programming mode	*

### Add fingerprint with automatic ID designation

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Add card (with automatic ID)	1 (Present fingerprint 3 times after green led)
3. Exit programming mode	*

### Add fingerprint with specific ID

Instruction	Programming code
1. Enter the programming mode	* (Programming code) #
2. Add user	1 (ID from 0 to 98) # (present the fingerprint 3 times after the green led)
3. Exit the programming mode	*





## Add cards with automatic ID designation

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Add card (with automatic ID)	1 (Read card)
3. Exit the programming mode	*

## Add card with specific ID

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Add user	1 (ID from 100 to 989) # (Present card)
3. Exit the programming mode	*

## Remove card

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Remove card	2 (Present card)
3. Exit the programming mode	*

## Remove user with specific ID

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Remove user	2 (ID to remove) #
3. Exit the programming mode	*

## Remove all users

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Remove card	20000 #
3. Exit the programming mode	*





## Timer

Instruction	Programming mode
1. Enter the programming mode	* (Programming password) #
2. Timer or Toggle mode	Timer: 4 (1 to 99 seconds) # Toggle mode (present the card once and the door opens, present the card again and the door closes): <b>40 #</b>
3. Exit the programming mode	*

## Invalid card alarm

Instruction	Programming mode
1. Enter the programming mode	* (Programming password) #
2. Access mode	Activate without sound alarm and it stays blocked for 10 min: <b>61 #</b> Activate with sound alarm and stays blocked up to 3 min: <b>62 #</b> Deactivate alarm: <b>60 # (factory setting)</b>
3. Exit the programming mode	*

## Access mode

Instruction	Programming code
1. Enter the programming mode	* (Programming password) #
2. Access mode	<ul style="list-style-type: none"><li>• Card and fingerprint: 30 #</li><li>• Fingerprint only: 31 #</li><li>• Card only: 32 #</li></ul>
3. Exit programming mode	*





## Resetting

1. Unplug the power supply.
2. Link the yellow wire to the black one (or if there is an output button, press it).
3. Plug the power supply (with linked wires or by pressing the button) until hearing 2 beeps and the led stays in yellow.
4. After 5s you are going to hear a longer beep and the led is going to turn green and then red.
5. You can release the button or unlink the wires.

**ATTENTION:** User data will not be removed.

## Sound and led meanings

Status	LED	Buzzer
Standby	Fixed red	Turned off
Enter/programming mode	Intermittent red and green when enters the programming mode and goes back to intermittent red	1 BEEP
Programming menu	Orange	
Error	-	3 BEEPS
Opening	Green	1 BEEP
Alarm	Fast intermittent red	Steady BEEPs

