T2DC ID&IC Touch Access Control Integrated Machine

1 Product Introduction

This product is a non-contact proximity card and password access control Integration machine. It supports two proximity cards, EM and Mifare. It is one of the most advanced single door controllers at present. Can be widely used in high-end office buildings, residential quarters and other public places。

2 Features

Power consumption: current is less than 100mA

Wiegand output: WG26/34 output and input, it can also be connected with an external card reader and key input reader.

Search time: the time from swiping the card to opening the door is less than 0.1S

Luminous keyboard: easy to operate at night

Doorbell interface: external wired doorbell can be connected

Door opening method: card, password, card plus password

Independent password: use a password that has nothing to do with the card to open the door

Modify password: the user can modify the password to open the door by himself

Delete card number: use the keyboard to delete the card number after the card is lost, completely eliminating security risks

Waterproof grade: epoxy resin potting package. Suitable for outdoor

Working temperature: -40℃-70℃, applicable to a wide range of areas

Unattended card addition: convenient for user management

Dual-frequency operation: No need to worry about choosing user card. Mixed use is possible

Machine data is copied to each other: Register one, multiple machines share data, and the workload is reduced.

3 Technical Parameters

|	
Working voltage: DC9-16V	Quiescent current: ≤100mA
Card reading distance: 2～6cm	Storage capacity: The sum of cards or passwords is 2000. The combination of card and password is verified as 1000 groups.
Ambient temperature: -40℃～70℃	Environmental humidity: waterproof
Product size: 115*75*18mm	Opening time: 0～999 seconds (adjustable), 5 seconds by default
Default programming password: 123456	

4 Installation Method

Make holes according to the product size, and fix the bottom shell with the provided screws. Pass the lead wire through the outlet hole of the bottom shell, wire according to the required function, and wrap the unused wire to prevent short circuit. After connecting the wires, install the front shell on the bottom shell, tighten the screws, and the installation is complete. (As shown below)
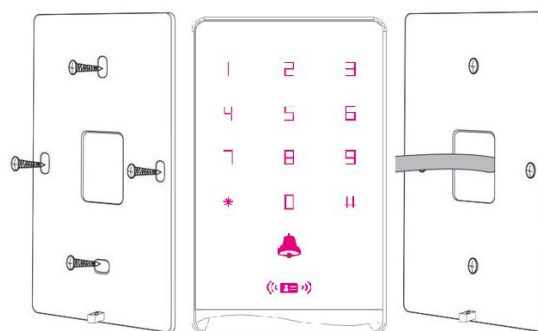
5 **Wiring port**

Serial number	colour	symbol	function
1	black	GND	negative electrode
2	red	12V	positive electrode
3	White	D1	Wiegand input (Wiegand output in card reader mode)
4	green	D0	Wiegand input (Wiegand output in card reader mode)
5	yellow	Open	Exit button input port
6	purple	BELL1	Doorbell button port
7	blue	BELL2	Doorbell button another port
8	Orange	NO	Relay normally open port
9	Brown	COM	Relay common port
10	gray	NC	Relay normally closed port

6 **Wiring diagram**
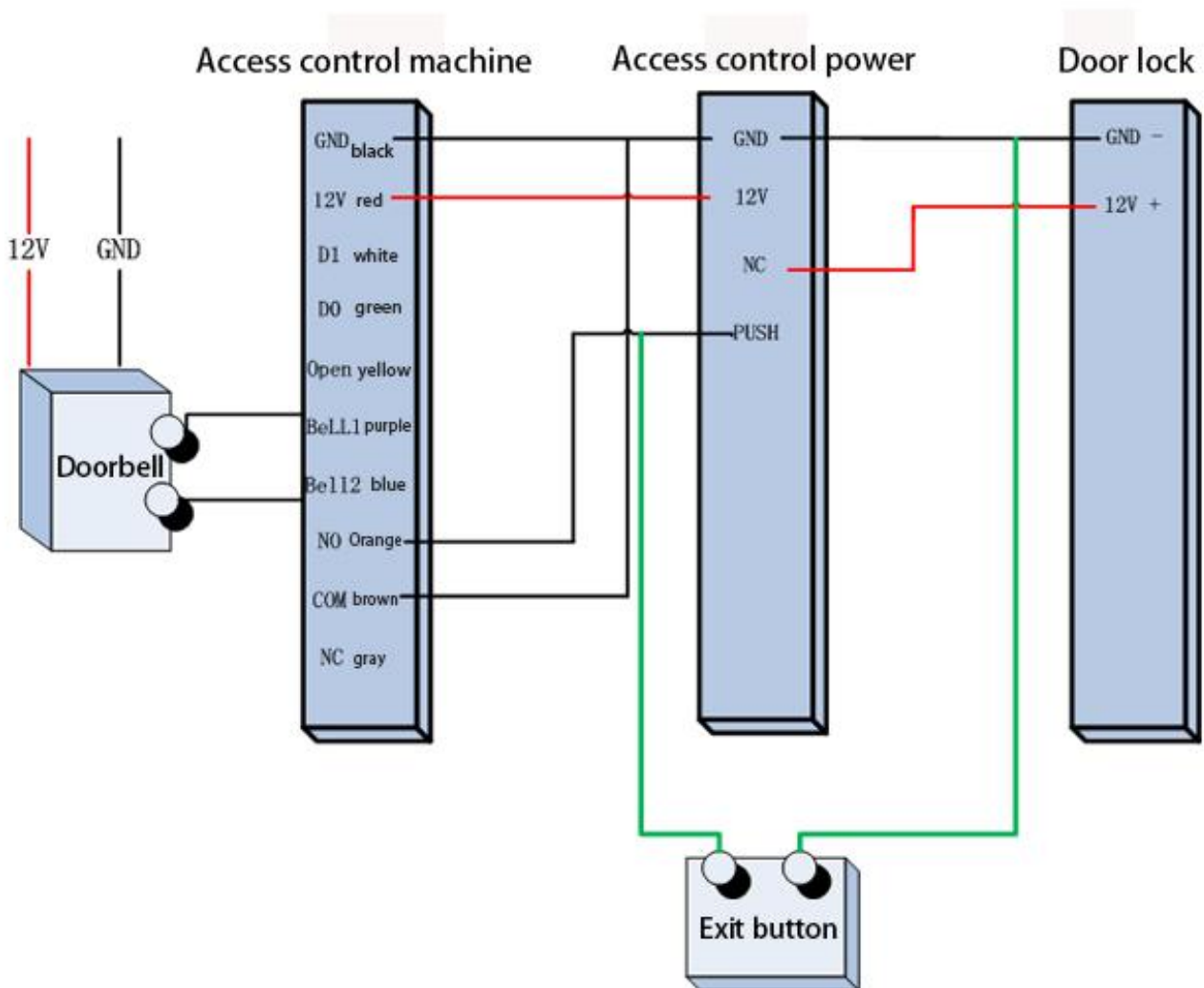
7 **Programming table**

Modify Programming Password		
Modify programming password	* Programming password # 0 new password # Repeat new password #	Modify the programming password, the programming password must be 6 digits (factory default 123456)

Increase User Operations		
Increase card users	* Programming password # 1 swiping card or 10-digit card number #	Add multiple user cards at once, swipe the card continuously or enter the card number continuously
Add password user	* Programming password # 2 user password #	can add multiple sets of passwords
Change public password	* Programming password # 3 Public password #	Only one group（ * Programming password # 3 # Clear public for password）
Add card + password user	* Programming password # 4 swiping card user password #	Easy to use card and password to open the door
Delete User Operation		
Delete card user	* Programming password # 5 swiping card or 10-digit card number #	Delete multiple user cards at once and swipe the cards continuously
Delete password user	* Programming password # 6 user password #	Delete current password
Delete all users	* Programming password # 7 0000 #	(Repeated to prevent accidental deletion) Delete all card and password users (not including public password)
Delete all card users	* Programming password # 7 1111 #	(Repeat to prevent accidental deletion) Delete all card users
Delete all password users	* Programming password # 7 2222 #	(Repeat to prevent accidental deletion) Delete all password users (excluding public passwords)
Delete all card + password users	* Programming password # 7 3333 #	(Repeat to prevent accidental deletion) Delete all card plus password users
Door Opening Method Setting		
Card or password to open the door	* Programming password # 74 #	IC or ID card or password to open the door (factory default)
Only password users open the door	* Programming password # 75 #	Only password users can open the door
Only card users open the door	* Programming password # 76 #	Only card to open the door.
Card + password to open the door	* Programming password # 77 #	Card plus + password users to open the door (the system must have card + password users)
Close all door opening methods	* Programming password # 78 #	A legacy of history. Conveniently close at night, does not allow non-administrators to open the door.
Select Card Type		
IC/ID card	* Programming password # 79 #	IC/ID card (factory default)
Single IC card	* Programming password # 80 #	Single IC card
Single ID card	* Programming password # 81 #	Single ID card
Unlock Time Setting		
Set unlock time	* Programming password # 82 1～999 #	The unlocking time range is "1～999 seconds", the factory default is 5 seconds
Machine Mode		
Access control mode	* Programming password # 83 #	The lock will be automatically closed after normal unlocking (factory default)

Electrical switch mode	*	Programming password	#	8 4	#	After unlocking, you need to swipe your card or press the exit switch to close the lock
Wiegand Output Settings						
Read head output mode (WG34)	*	Programming password	#	8 5	#	WG34 output (factory default)
Read head output mode (WG26)	*	Programming password	#	8 6	#	WG26 output
Turn off Wiegand output	*	Programming password	#	8 7	#	Wiegand output off
UID Settings						
UID recognition turned on	*	Programming password	#	8 8	#	Turn on UID recognition
Turn off UID recognition	*	Programming password	#	8 9	#	Turn off UID recognition (factory default)
Backlight Setting						
Breathing light mode	*	Programming password	#	9 0	#	There is no button to light up slowly, and the button to press is always on. (factory default)
Energy saving mode	*	Programming password	#	9 1	#	The backlight turns off when there is no key, and it lights up when there is a key.
Constant light mode	*	Programming password	#	9 2	#	Backlight always on
Off mode	*	Programming password	#	9 3	#	Backlight off
Automatically Add Card Settings						
Turn on automatic card addition	*	Programming password	#	9 4	#	Automatic card addition function is enabled, applicable for unattended card addition
Turn off automatic card addition	*	Programming password	#	9 5	#	Turn off automatic card addition (factory default)
Make Management Card						
Make management card	*	Programming password	#	9 6	#	Add a management card in this state.
Factory Reset						
Factory reset	*	Programming password	#	9 7777	#	(Repeated to prevent accidental deletion) All menu settings are restored to factory values
Data Backup						
Data backup sending	*	Programming password	#	9 8888	#	(Repeated prevent accidental deletion) native data external output

The first time you press the * key, the green light flashes, prompting you to enter the management password.

8 Management card operation

8.1 Add card operation

Swipe management card, read user card, read user card,..., swipe management card

Note: Adding cards is mainly used to add user cards in rapid succession. The first time you swipe the management card, two short beeps will sound, and the indicator light will turn blue, indicating that you have

entered the state of adding user cards. The second time you swipe the management card, A long beep will be heard, and the indicator light will turn green, indicating that it has exited the state of adding user cards.

8.2 Delete card operation

Swipe the management card twice, read the user card, read the user card,..., swipe the management card. Note: Delete card is mainly used to delete user card in rapid succession. The first time the card is read and deleted, two short beeps will sound, and the indicator light will turn blue, indicating that the user card has been deleted, and the card will be deleted for the second time. With a long beep, the indicator light turns green, indicating that it exits the state of deleting the user card.

9 Data backup operation

Such as: A machine data is backed up to B machine

Connect the DO and D1 of the A machine and the B machine, and operate the A machine to set the sending mode. The green light flashes during backup, the backup success indicator returns to a steady state, a long beep is successful, and an error beeps twice.

10 Restore factory settings

After the machine is disconnected from the power supply, press and hold the exit button, then power on, let go after the machine beeps twice. When the machine lights up in blue, swipe the first card as the management card, and the initialization is successful. (Restore factory settings will not delete user information).

11 Temporary normally open lock

When the verification is passed, press 5,# to enter the temporary normally open function. The next time the verification is passed, it will exit the temporary unlocking state and enter the normal control lock state. (When the exit switch is connected to the access control machine, it is in the temporary normally open lock state, press the exit switch Then exit the temporary normally open lock)