Touch Screen Metal Standalone Access
SA-TS22

1. Specifications:

> Technical parameters

Operating voltage	DC 12V±10%
Operating current	< 100mA
Dimensions	120mm×78mm×22mm
Weight	130g
Ambient temperature	-10℃ ~ 70℃
Relative humidity	20% ~ 80%
Storage	1000users
Card type (alternative)	EM(ID) card(IC card for options)
Card reading distance	1 ~ 15CM

2. Factory default settings:

Programming Password	123456
Open Mode	Card or Access PIN
Output signal time	5secs
Backlight	Auto
Security function	Off
WG26Port	Input

3. LED and buzzer indicates: *Two-color LED: red and green*

Led State	Access control status
light red once every 1 sec （Slow flash）	Holding state
light red, N.O.	Programming state
light green within Open time	Unlocking state
light green once every 0.3sec (Fast flash)	Pending further action

Sound: buzz

Description	Indicates
1 short buzz	Valid input
3 short buzz	Invalid input
1 long buzz	Program success
Continuous long buzz	Restoring factory programming passwords

4. Installing wiring diagram:

JP1

PIN	Color	Function
+12V	Red	Power+
GND	Black	Power-
PUSH	BLUE	Low level output
OPEN	Yellow	Door Release
BELL	Grey	BELL
BELL	White	BELL

JP2

PIN	Color	Function
+12V	Red	Power+
GND	Black	Power-
DATA0	GREEN	WG DATA0
DATA1	White	WG DATA1
NC	Brown	Relay NC output
COM	BLUE	Relay Com output
NO	PURPLE	Relay NO output
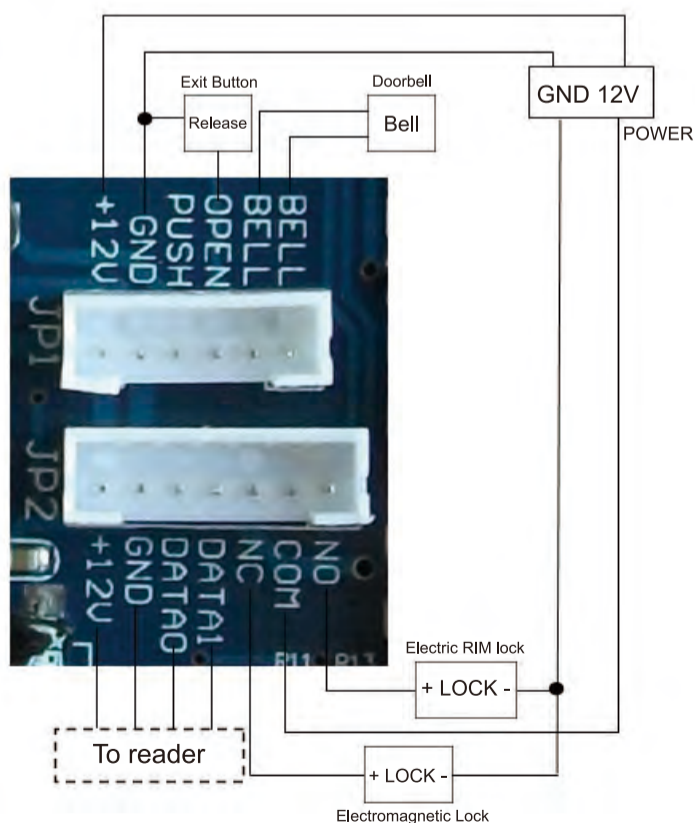
5. Access control function setting:

> Enter and exit programming mode

Step1: In holding state，press #123456# ，access controller enter system programming state with LED lighting red and buzzer giving a short voice.

Step2: In Programming state input programming commands (See 5.2).

Step3: In programming state, press to exit.

Note: If there is no operation in 2mins system will exit programming state.

> Function setting

"0" key, modify the programming password:

   Press 0 New password # New password again #

   Note: programming password is 3~6 digits（Default: 123456）

"1" key, Log on card users

   Press 1 User No. read card #

   User No. is 4-digit: 0001~9999, and use to delete users.

   Bellow we refer to user No. of "2" and "3" key are same.

   Note: Read card continuously for logging on users continuously and exit by pressing #.

"2" key, Log on password users

   Press 2 User No. Access PIN #

   Note: Access PIN is 3~6 digits. An access PIN also accounts for one user.

"3" key, Log on card + password users

   Press 3 User No. read card Access PIN #

   When you add a user, each time you add a user successfully the buzzer gives a long voice . If you added failed the buzzer gives 3 short voices . Failure may be due to: (1) User No. duplicates; (2) Card No. already exists; (3) store is full.

"4" key，delete the users

   Press 4 0 0000 #   Delete all users

   Press 4 1 read card # Delete card user via reading card

   Press 4 2 User No. # Delete card user via User No.

   Press 4 3 input Card No. # Delete card user via input Card No.

   Note: Enter the left 10 digits of the card No.

"5" key, modify Unlock Signal Output Time

   Press 5 XX #

   Note: "XX" is 2-digit: 00~99, Unit: second, "00" indicates moment unlock (0.2 seconds).

"6" key, set Open mode

   Press 6   10 #   Read valid card to open

   Press 6   11 #   Read valid card and enter Access PIN to open

   Press 6   12 #   Read valid card or enter Access PIN to open

   Press 6   13 #   As WG26 reader to use

"7" key, set Security mode

   Press 7   00 #   Turn off security function

   Press 7   01 #   Turn on security function(System would be locked for 5 Minutes when continue to (1) read illegal card 10 times or (2)read the valid card but enter wrong Access PIN 4 times or (3)enter wrong Access PIN 10 times).

   Press 7   02 #   Turn off Anti-dismantle alarm function

   Press 7   03 #   Turn on Anti-dismantle alarm function

"8" key, set Anti-dismantle, set backlight mode and restore factory settings

   Press 8   01 #   Backlight Normally Open

   Press 8   02 #   Backlight Normally Close

   Press 8   03 #   Backlight Automate: Backlight turn off in15 seconds if there are no operations.

   Press 8   99 # Restore Factory settings.

> Programming Password initialization method

Step1、Turn off power and connect bin 2&3 of S1。

Step2、Turn on power and buzzer gives long voice Continuously。

Step3、Turn off power, disconnect bin2&3 and connect bin 1&2 of S1。

Step4、Turn on power again, the buzzer gives a long voice, Access controller initialization is completed。After initializing Programming Password default settings (123456), user data will not be lost.

6. User Open operation:

> Read card to open (Open mode: Card, Card or Access PIN)

In holding state read valid card, buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

> Enter Access PIN to open (Open mode: Card or Access PIN)

In holding state enter Access PIN #, buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

> Read card and enter Access PIN to open (Open mode: Card + Access PIN)

In holding state read card, buzzer gives a short voice, LED lights green with fast flash, then enter Access PIN # within 5 seconds, and buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

Note: If buzzer gives 3 short voices it indicates that the card or password is illegal and open failed.

> Change Access PIN (Open mode: card+ Access PIN)

After reading card and entering PIN to open the door, within 5 seconds, long press" #" until the LED lights green with fast flash. and then enter new Access PIN # repeat new Access PIN # , buzzer gives a long voice, Access PIN changed successfully.