



User Manual of the Wired Keypad

Model: TC175P

1. Specifications:

- I Operating voltage: 12-24VDC $\pm 10\%$
- I Operating current: < 100mA
- I User Capacity: 1000 users
- I Card type (alternative): EM(ID) card
- I Card reading distance: 1 – 15CM
- I Working temperature: -20°C - +50°C
- I Relay output: SPDT, 3A 120VAC/24VDC

2. Factory default settings:

- I Programming Password: 123456
- I Common Access Password: None
- I Backlight: Auto (for options)
- I Relay Unlock output: 5 Seconds
- I W26 port: Input (for options)
- I Security mode: OFF
- I Open mode: Card or Access Password, Access Password include Private Access Password (PIN) and Common Access Password

3. Light and Sound indicates:

Light: red and green

Light Description	Access control status
Red light flash every 1 sec (Slow flash)	Standby state
Red light is always ON	Programming state
Green light is always ON within Open time	Unlocking state
Green light flash every 0.5sec (Fast flash)	Pending further action

Buzzer:

Description	Indicates
1 short buzz	Valid input

3 short buzz	Invalid input
1 long buzz	Programming success
Continuous long buzz	Restoring factory programming passwords

4. Definition of the output wires:

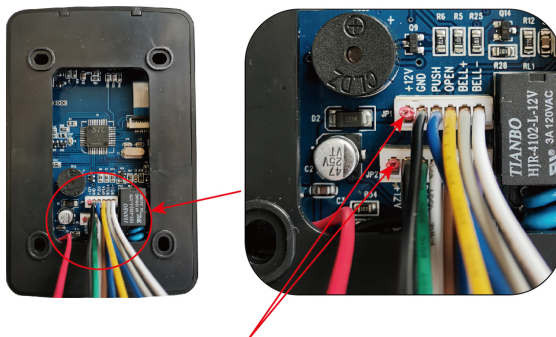
JP1 terminal:

NO	Mark	Color	Function
1*	+12V	X	This wire has been cut off
2	GND	Black	Power-(12-24VDC negative)
3	PUSH	BLUE	Low level output
4	OPEN	Yellow	Door Release
5	BELL	Grey	BELL
6	BELL	White	BELL

JP2 terminal:

NO	Mark	Color	Function
1*	+12V	X	This wire has been cut off
2	GND	Black	Power-(12-24VDC negative)
3	DATA0	Green	WG DATA0
4	DATA1	White	WG DATA1
5	NC	Brown	Relay NC output
6	COM	Blue	Relay Com output
7	NO	Purple	Relay NO output

***NOTE:** The red wire of the both 2 terminals has been cut off and it has been soldered to the PCB of the keypad. Thus you can connect the 12-24VDC power supply to the RED wire on the PCB and the BLACK wire of JP2 to power up the keypad.



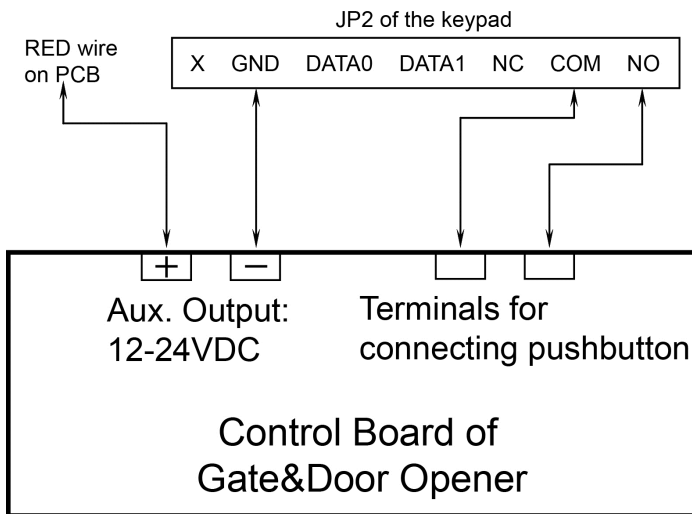
Both of the two red wires have been cut off. The red wire which has been soldered on the PCB is used to connect the positive of 12-24VDC power supply.

5. Wire connection of the keypad to the gate & door opener

NOTE: Below wiring diagram is a universal wiring diagram of the connection between the keypad and the opener. You can refer to the user manual of the

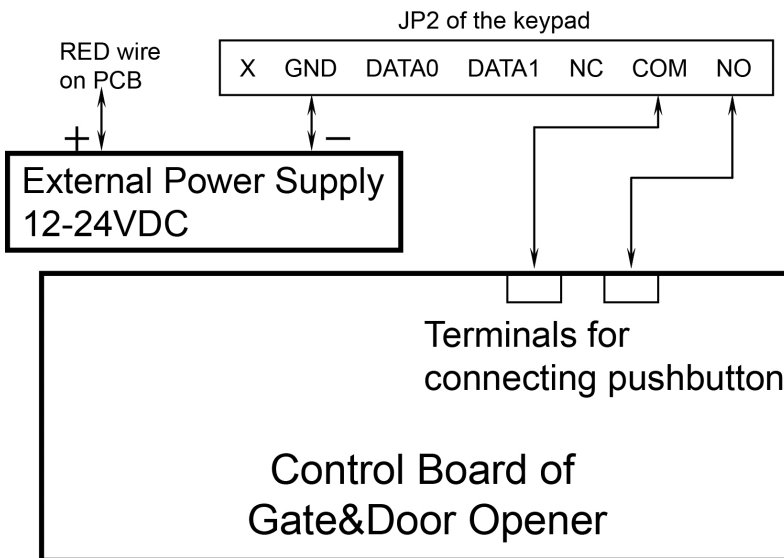
TOPENS gate opener for detailed wiring diagram.

5.1 Connect the keypad to the Gate/Door opener with power on the board, when power from the board connected directly to TC175P.



5.2 Connect the keypad to the Gate/Door opener without power on the board, when using external power supply for TC175P.

In this situation, you need an external 12-24VDC power source to make the keypad to work with the gate & door opener.



6. Programming

I There are three kinds of passwords while programming: programming password, access password, card password.

I User ID is auto-generating 4-digit number started at 0001. The number increases with adding user one by one and ignores deleting user. Common Access Password has no ID.

I All passwords can be 3-6 digits in length.

I Programming password is used for programming.

I Access password is used to activate the gate when the keypad has been set to “password” or “password or card” mode.

I Card password is needed to enter after swipe the card when the keypad has been set to “password + card” mode.

I Factory default program password is 123456.

6.1 How to Change the Programming Password

#	Old Programming Password	#	0	New Programming Password	#	New Programming Password	#
---	--------------------------	---	---	--------------------------	---	--------------------------	---

6.2 How to Set Common Access Password

#	Programming Password	#	21	new Common Access Password	#
---	----------------------	---	----	----------------------------	---

6.3 How to Add Private Access Password (PIN)

#	Programming Password	#	22	(3-6 digits access password)	#
---	----------------------	---	----	------------------------------	---

NOTE: The quantity of access passwords can be set up to 1000 sets. You can input access password and then press # to activate the keypad.

6.4 How to Add User Card

#	Programming Password	#	1	read card	#
---	----------------------	---	---	-----------	---

NOTE: If add multi cards, read cards continuously.

6.5 How to Delete All Users

#	Programming Password	#	40	0000	#
---	----------------------	---	----	------	---

NOTE: Delete all cards and PIN except Common Access Password.

6.6 How to Delete User by Read Card

#	Programming Password	#	41	read card	#
---	----------------------	---	----	-----------	---

NOTE: If delete multi cards, read cards continuously

6.7 How to Add Card by Input Card Number

#	Programming Password	#	23	input card number	#
---	----------------------	---	----	-------------------	---

NOTE: Card Number is 10-digit or 8-digit, machine auto-identify.

6.8 How to Add Multi-card by Input Card NO. Zone

#	Programming Password	#	24	input start card No.	card Qty	#
---	----------------------	---	----	----------------------	----------	---

NOTE: Card Qty is 4-digit (If one-time add twenty cards, input 0020)

6.9 How to Add “card +PIN” User

#	Programming Password	#	3	read card	PIN	#
---	----------------------	---	---	-----------	-----	---

NOTE: You can change the PIN according to following instructions. After reading card and input corresponding PIN to open the door, within 5 seconds, long press # until the green lights flash fast. and then input new PIN # new PIN # , new PIN will be changed successfully with a long buzz.

6.10 How to Delete User by Input User ID NO.

Programming Password # 42 input User ID No.

6.11 How to Delete User by Input Card NO.

Programming Password # 43 input card No.

6.12 How to Delete User by Input Private Access Password (PIN)

Programming Password # 44 (3-6 digits access password)

6.13 How to Delete All Private Access Password (PIN) Users

Programming Password # 45 1111

6.14 How to Change “Relay Unlock Output”

Programming Password # 5 XX

NOTE: XX can be 2-digit, and the max. is 99. If input 00, the signal output time is 0.2 Second.

6.15 How to Set Open Mode

Programming Password # 6 XX

NOTE: XX can be 01(only card)/ 02(card or access password)/ 03(card + PIN)

6.16 Reader Setting (For options)

Programming Password # 6 04

NOTE: The machine can be used for reader (W26 output)

6.17 Security Function Setting, Anti-dismantle Alarm Setting (For options)

Programming Password # 7 XX

NOTE: XX can be 01/ 02(Security function OFF/ON) and 03/04(Anti-dismantle alarm OFF/ON). Security Function ON means System would be locked for 5 Minutes if continue to read illegal card or input wrong Access Password for 10 times.

6.18 Backlight setting(For options)

Programming Password # 8 XX

NOTE: XX can be 01/02 (Normal ON / Normal OFF)

6.19 How to Reset Factory Default Setting

Programming Password # 8 99

NOTE: Except Programming Password.

7. Reset to Factory Programming Password (123456)

Step1: Power off the keypad and connect pin 2&3 of RST together.

Step2: Power on the keypad and buzzer will give 3 long buzz with green light flashes fast.

Step3: Power off the keypad and disconnect pin2&3 and connect pin 1&2 of RST together.

Step4: Turn on power again.



TOPENS Website

www.topens.com

Any question, please do not hesitate to contact us:

E-mail: support@topens.com

***Kindly include your Product Model, Purchasing Date & Site, Order #,
and your contact information. All your concerns will be replied within
24 hours.***

Tel: +1 (888) 750 9899 (Toll Free USA & Canada)