ST-640E Access Control Unit
Operation Manual (S1 Mode/On line)

Features:

- Master card and codes
- Auto reset function
- Security system setting / Release
- Synchronize with security system
- Entering / Exiting programming mode: Only proximity, Codes + proximity, Codes or proximity
- Door status monitor function
- Anti pass back function
- Emergent access alarm, time delay alarm and forced door alarm output
- Dual relays programmable On / Off or pulsed or latched mode
- LED indicator to distinguish the status
- Use for all kinds of the electric lock
- Use software to connect up to 254 controllers

Specifications:

Part No	ST-640E
Connection	On line
Users	1000
Record volumes	1000
Reader application	WG26,WG34
Keys	12 keys (0-9,*,#)
Interface	RS485
Proximity distance	10~15cm
Proximity frequency	125Khz (EM)
Indicators	3 LEDs
Dimension(mm)	114(L)x69.5(W)x10(D)mm
Operating voltage	12VDC
Temperature	-5C~60ºC
Humidity	5%~95%(Non-condensing)

Operation Instruction：(Suggested Card: CCTR00-CNPSLD-CN)
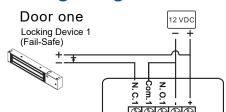
Command	Description
*XXXXXX#	Enter program mode, enter 6-digit codes (Default 123456)
* #	Exit program mode
01*XXXXXXxxxxxx#	Change default password, press twice new 6-digit codes
02*XXX#	Controller station setting (001-254)
03*XXX#	Time Delay Setting from 000-250 seconds. 000= toggle mode.
10*xxxxx*XXXXXXXXXX#	Adding or revise the card No. Slot position=00001~01000 and enter the 10-digit card No.
12*xxxxx*XXXXX#	Adding the card No. in sequence. xxxxx=the beginning slot position XXXXX=the quantity of cards. After setting the quantity of cards, read the first card and press "#" to complete the setting. The access mode is for Card Only after adding the cards. (p.s.X≦01000)
13*xxxxx*XXXXX*N#	Access mode and clear card setting xxxxx=The beginning slot position XXXXX=the end slot position Slot position=00001~01000 N indicates the access mode. 0=Access not allowed, 1=Card Only, 2=Card or Code, 3=Card & Code, 4=Clear card information
14*xxxxx*XXXX#	Code setting: xxxxx=slot position XXXX= 4-digit code (Position=00001~01000)
15*99#	Clear all cards (Not including master card)
17*XXXXXXXXXX#	Enter card no. to clear the information when forget the slot position. X=10 digit card no.
21*XXX#	Alarm output time setting XXX=000~255 seconds
22*XXX#	The second relay activate time. XXX=000~250 seconds (Second relay for security system) (000 manual mode) (Default value is 15 seconds)
25*X#	Master cards setting X=(1 or 2) 2 Master card available Under normal status, proximity the master cards to program mode
26*XXXXX*XXXXX#	Security card arrange setting: XXXXX=00001~01000 (The range of the No. should be succeeding without a break in numbering.
32*X#	Anti-pass-back function X=0 / OFF X=1/ ON
33*X#	Two doors synchronize X=0/OFF X=1/ON Access controller and reader can control different doors.
34*99#	Clear the function of Anti-pass-back
35*X#	X=1=access record to duty X=0=access record Not to Duty X=default is 0
51*99#	Reset to default, and clean the controller memory to the factory default.
55*99#	Read card once and hear 1 Beep to add new card. Read card twice and hear 2 beeps to clear the card (The default access mode for this instruction is Card Only).
71*XXXXXXxxxxxx#	Set the emergent code by entering 6-digit code twice. Enter the code to activate the second relay. Accompany with the instruction of 22*XXX# to set the second relay active time.
72*XXX#	Door left open alarm time delay setting. XXX=000~255 seconds. The door status reed switch is required for this function. The second relay active alarm output after the limited time. (Refer to 21*XXX#)
73*X#	X=1 Enter the emergent code or press 99* with security cards, the relay of the controller will be avtivated. X=0/OFF
74*X#	Door left open alarm and force open mode are setting. X=1/ON, X=0/OFF
76*X#	Emergent alarm setting X=1/ON, X=0/OFF
99*	Active the second relay by press the code 99* first, and read the valid card. (without entering the program mode).

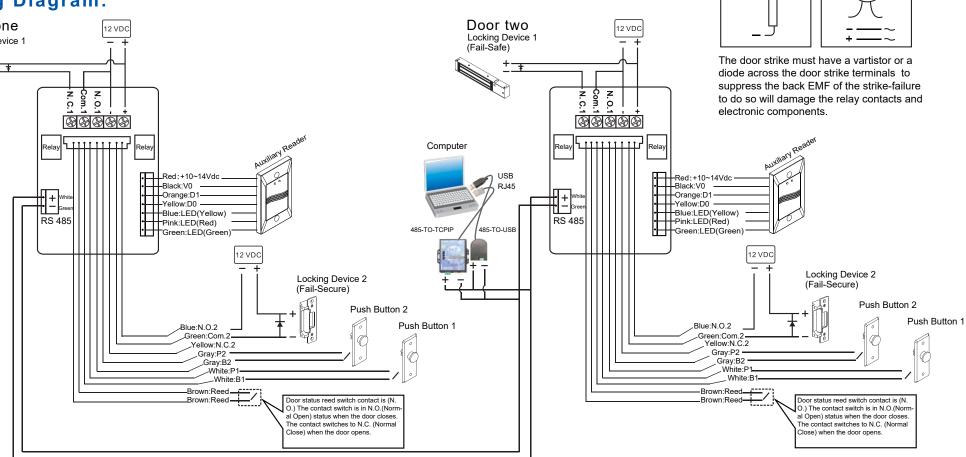## Indicators Status and Default Value:

Beep & LED indication：

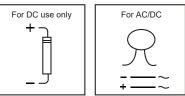|	Mode	Signal	Status
LED	Normal	Yellow(Flash slowly)	Power-on, stand-by
		Green On	Valid entry, door relay active
		Red On	Warning, invalid card or code, tamper,alarm relay active
	Programming	Yellow (Flash quickly)	Enter programming mode
		Red(Flash quickly)	Card read, or clear the memory
Beep	Normal	1 Beep	valid card, keypress, entry program mode
		2 Beep	Invalid cards, mistake codes
	Programming	1 Beep	Valid entry, exit the program mode
		2 Beep	Incorrect input or other failed operation

Factory default setting：

Access mode	Card only (0000)
Card memory	All Bits
Transaction memory (MAX 1000 cards)	0 pcs
Master codes (Master password)	*123456#
(All) Functions of alarm	Clear the function (00)
Door relay time	3 seconds
Key timeout	5 seconds
Awaiting code timeout	5 seconds
Programming mode timeout	25 seconds

Wiring Diagram:

For DC use only

For AC/DC

The door strike must have a vartistor or a diode across the door strike terminals to suppress the back EMF of the strike-failure to do so will damage the relay contacts and electronic components.