

SY125SA

Single Door Touch LCD Display Controller

Installation Manual

V0103



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SY125 Specification

Specification	SY125
Transmit Frequency	125KHz / 13.56MHz
Card Read Mode	Build-in 125KHz / 13.56MHz Reader ; One external reader via Wiegand interface.
Read Range	5~10cm / 2~6cm
Baud Rate	2,400~115,200bps
Card Compatibility	EM or ISO14443A/B/ 15693 / Mifare
Card Read Time	0.2 Second
Monitor	128*64 Dots (16*4 char) LCD Backlight
Key / LED Indicator	12 key (Capacitive Touch) / 3 LED (RGB)
Communication	RS485 and Wiegand (Support 6/26/32/34/35/37/42/50/66 bits)
Card / Record	2,000 / 2,000 (Card / IO Record)
Output Point/Input Point	2 Relay Output / 2 DO Output / 4NV Input
Time Zone / Auto-Open Door Time Zone	1 Set / 4 Set
APP Group Setting	4 Set · 7 Working Day&Holiday / Set
Holiday Control	30 Day
Anti-duress PIN	4 Set
Anti-Tamper/Anti-Lockup	Build-in (Infrared) / (Watchdog)
Beep Tone	Build-in Buzzer
Operating Temperature	-10°C~60°C
Input Voltage	8V~28V DC / 0.5 ~ 2W
Dimension(W x H x D)	89.4 x 124 x 12 mm

SY125SA Operation Manual

Option	Description
Logout	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="0"/> (Beep)
Login	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="1"/> (Beep) + 【Password】 + <input type="text" value="#"/> Note: Default Password: 1234 ; Auto-logout after user login for 30 seconds and without doing any setting.
Please login device first before doing the following setup	
ID	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="2"/> (Beep) + 【ID】 + <input type="text" value="#"/> Note: ID Range is 1~9999 ; (Default ID : 1)
Date/Time	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="3"/> (Beep) + 【YYYYMMDDhhnnss】 + <input type="text" value="#"/> Note: For example, 2011/01/29 03:25:23, please enter 2011 0129032523
Login Password Setup	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="4"/> (Beep) + 【New Password】 + <input type="text" value="#"/> Note: Login password is 4 char (Default: 1234) ; user can setup factory default via computer software if user forgot the password.
Backlight Time	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="5"/> (Beep) + 【Time】 + <input type="text" value="#"/> Note: Time range is 0~250 seconds ; 0 means always on(Default:30 Seconds)
Card Read Mode	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="6"/> (Beep) + 【 S 】 + <input type="text" value="#"/> Note: Show Card Mode 0 : None 、 1 : Card No(Default) 、 2 : UID 、 3 : Char
Language	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="7"/> (Beep) + 【Language】 + <input type="text" value="#"/> Note: 0 : ENGLISH(Default) 、 1 : CHT 、 2 : CHS
Code Setting	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="8"/> (Beep) + 【Encode】 + <input type="text" value="#"/> Note: 0 : UNICODE(Default) 、 1 : BIG5 、 2 : GB2312
Shift Setting	Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="0"/> + <input type="text" value="9"/> (Beep) + 【Class】 + <input type="text" value="#"/> Note: 0 : Disable(Default) 、 1 : Enable Switch shift mode needs to operate under shift setting mode enabled : On Duty : <input type="text" value="#"/> + 【1】 (Beep) ; Off Duty : <input type="text" value="#"/> + 【2】 (Beep) Go Out : <input type="text" value="#"/> + 【3】 (Beep) ; Return : <input type="text" value="#"/> + 【4】 (Beep) Start Overtime : <input type="text" value="#"/> + 【5】 (Beep) ; Finish Overtime : <input type="text" value="#"/> + 【6】 (Beep)
Add Card	A. Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="1"/> (Beep) + 【Card Number】 + <input type="text" value="#"/> + Show Card + <input type="text" value="*"/> B. Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="1"/> (Beep) + Show Card + <input type="text" value="*"/> Note: A. User can define specific card number (number from 1 to 2000). B. System will assign card number automatically.

Delete Card	<p>A. Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="2"/> (Beep) + 【Card Number】 + <input type="text" value="#"/></p> <p>B. Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="2"/> (Beep) + Show Card + <input type="text" value="*"/></p> <p>Note: A. User can define specific card number (number from 1 to 2000). B. System will erase the showing card.</p>		
Card Password	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="3"/> (Beep) + 【Password】 + <input type="text" value="#"/> + Show Card + <input type="text" value="*"/></p> <p>Note: Showing card that will be created password ; Password contains 1 ~ 4 numeric code(After enabled card password function , it needs to work with door open mode)</p>		
<table border="0" style="width:100%"> <tr> <td style="text-align:left">Option</td> <td style="text-align:right">Description</td> </tr> </table>		Option	Description
Option	Description		
Master Card Setting	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="5"/> (Beep) + 【 M 】 + <input type="text" value="#"/> + Show Card + <input type="text" value="*"/></p> <p>Note: Enter master card number(card number is 1~3) then show the card to device. (To login,user can use PIN code or master card after pressing ##01)</p>		
Erase All Cards	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="1"/> + <input type="text" value="9"/> (Beep) + 【Password】 + <input type="text" value="#"/></p> <p>Note: Login device before doing the procedure(Default Login Password:1234)</p>		
Door Open Time	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="2"/> + <input type="text" value="1"/> (Beep) + 【Time】 + <input type="text" value="#"/></p> <p>Note: Time range to open door is 0~255 second ; 0 means mode for open one time close one time.</p>		
Authentication Mode	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="2"/> + <input type="text" value="2"/> (Beep) + 【 A 】 + <input type="text" value="#"/></p> <p>Note: Mode for access : 1=Card or Personal PIN · 2=Card(Default) · 3=Card and Personal PIN</p>		
Reader Position	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="3"/> + <input type="text" value="1"/> (Beep) + 【 E 】 + <input type="text" value="#"/></p> <p>Note: Setup external reader , 0=Exit(Default) · 1=Entry</p>		
Factory Default	<p>Enter <input type="text" value="#"/> + <input type="text" value="#"/> + <input type="text" value="3"/> + <input type="text" value="9"/> (Beep) + 【Password】 + <input type="text" value="#"/></p> <p>Note: Login device to do factory default procedure (Default login Password:1234) ; this process will not clear card & IO data.</p>		

Note : Press to return the previous steps while doing error input.

SY125SA WIRING DIAGRAM

SY125SA 接線圖

