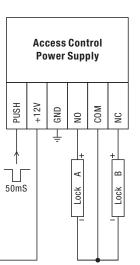
<ul> <li>Aluminian alloy case, waterproof, fully poted, confirms to lp63</li> <li>Built-in 125KH2 (KH, HID card) and 13,56MH2(C), CPU card, IS01443A) reader. (sTouch W-w, isouch W-w) Stouch W-w).</li> <li>Charla koyaddsKybeV w-w, Sky W-W wisk W-W wisk</li></ul>	Sebury® Metal Access Fashion&Safe		<ul> <li>1.1 Introduction, Features and Specifications</li> <li>1.1 Introduction         The sTouch W-w/sTouch W-s/sKey W-w/sKey W-s Standard alone access control realize the card reading and keypad operation functions, lock, alarm, ring bell, exit button and the magnetic contact switch on the door.     </li> <li>The access host supports 125KHz EM, HID cards , 13.56MHz IC and CPU cards (sTouch W-w/sKey W-w), and only 125KHz EM, HID cards (sTouch W-s, sKey W-s)</li> <li>It controls 1 door, supports up to 2000 users in total, each user have one card and one PIN.         The access control unit supports 1 master code, one manager add card, one manager delete card, 1             anti-duress card and 1 anti-duress PIN, providing users with easy operation and safe guarantee.     </li> </ul>	Light green BELL_A       Pink     BELL_A       Pink     BELL_A       Pink     BELL_B       Red     +12V       Minite     D1       Contact     b1       Brown     D_in(LED)       Monte     No       Purple     COM       Orange     NC	
<complex-block></complex-block>			Metal keypad(skey W - w /skey W - s) and touch panel(sTouch W-w/ sTouch W-s) optional. Built-in 125KHz (EM, HID card) and 13.56MHz(IC, CPU card, ISO14443A) reader.(STouch W-w, skey W-w) 125KHz (EM, HID card) reader (sTouch W-s, skey W-s) Digital backlit key(skey W-w, skey W-s) and touch panel (sTouch W-w, sTouch W-s). The back light can be set to Normal ON, Normal OFF or Auto. With door bell function, build-in or external door bell optional. Multi-function, operating as slave reader, single door, anti-pass back function, etc, suitable for various occasions. 1.3 Specifications: Operating voltage range: DC12-24V Idle input current: <a href="mailto:&gt;35mA">&gt;35mA</a> Max proximity card read range: EM&HID card: 3-6cm IC&CPU card: 2-6cm Excitation Frequency: 125KHz and 13.56MHz(sTouch W-w, sKey W-w), 125KHz (sTouch W-s, sKey W-s) Card transmit format: Wiegand 26-37 Keypad transmit format: 4-6 digits key press to output card number format, 4 bits or 8 bits data. Access control unit dimensions (Height×Width×Depth): 125×83×21.7mm (sTouch W-w / sKey W-w), 158.6×43×21.7mm(sTouch W-s/ skey W-s) Operating temperature range: -40 ~ 60° C(EM&HID card), -20 ~ 60° C (IC or CPU card) Operating humidity: 0-95% (non-condensing) <b>Unstallation and Wiring Diagram</b> Wiring Diagram	Image: Structure       Image: Structure <td< th=""></td<>	
	User Manual		green     Intel     Ender     Bill       Door Bell     Green     White     Bill       DC 12V     Reader     Bill       Power     Red     Black       -     +       -     +       -     +       -     +       -     -    -	Wiring of electronic lock Connect COM and GND, congnect two ends of electronic complete the circuit. Type A electronic lock: Fail Secure lock (Unlock when powe smart lock.etc. Type B electronic lock: Fail Safe lock (Unlock when power o Electronic Bolt Lock, etc. 1N4004 Diode: prevent high voltage to two ends of the elec disconnect. Without diode, there will be high voltage pulse the relay will be greatly reduced.	
	9.1 Rasic Operation.				
The construction of the set of the	Basic Operation           Red Flash         Orange         Functions           0         6~8 digits new master code # Repeat 6~8 digits new master code #         Factory default : 888888	Change the master code	7     0, #     4-6 digis key press sends card number       3     1, #     Each key press sends 4 bit output data (Factory default)     To set keypad transmission format       2, #     Each key press sends 8 bit output data     To set keypad transmission format       4     0, #     Close Alarm (s)       1, -3, #     Alarm time is 0-3 minutes for option     To set Alarm	Host	
2       Part 30 cg/sc care multiper, 40 looked operation       Roduct 0peration       Roduct 0peration         3       Part 30 cg/sc care multiper, 40 looked operation       Part 40 looked multiper, 40 looked cg/sc care mu	1       1 ~2000(User ID number), #, 8 or 10 digits card number #       card number is less than 8 or 10 input 0 before the card number Suber can be added continuously exiting programming mode         1 ~2000(User ID number), #,4~6 digits PIN ,#       To add PIN users	digits, Rotate Operation <sup>®</sup> without To add	1         0,#         Indicator light OFF®         To set logo LED light           2         0,#         Disable buzzer ⑦         1,#         Enable buzzer ⑦         1,#         0,#         Disable buzzer ⑦         1,#         1,#         0,#         0.#         0.#         Disable keypad backlight         1,#	10.1 Wiegand Reader Mode	
$\frac{3}{2} \frac{1}{2} \frac{1}{4} \frac{1}{6} \frac{1}$	2     8 or 10 digits card number , #     Delete one card       1~2000(User ID number), #     Delete one user       0000, # (Note: This is a dangerous option, so use with care)     Delete All users       0, #     Entry is by Card only       1, #     Entry is by Card and PIN together		8     2, #     Auto mode ③       8     0, #     Disable anti tamper alarm (Factory default )       1, #     Enable anti tamper alarm       0, #     No keypad lockout or alarm (Factory default)       5     In 10 minutes, if there's 10 times ③invalid	Light Pink Red Black Green White Brown	
Introduces       Card Carding or read card, adding carding by input card number is not acceptable; 10 digits card number	3     1.1       2, #     Entry is by either card or PIN (Factory setting)       0, #     To set door relay time 50mS	default open way Factory default	on for 10 minutes.       2, #       In 10 minutes, if there's 10 times invalid card or wrong password, the device will alarm.		
Hask         Plask	① 8 digits card number, such as: 118, 32319, some cards has no mark of the first		back until read card/tag or input PIN again.	sTouch W/sKey W Reader Wiri	
6       5       1,#       Set Zone 1as Auto-lock switch ①       Relay setting         6       1,#       Set Zone 1as Auto-lock switch ①       To set open door by multi cards ②         7       User ID number # card quantity #       Factory default setting : 1       To set open door by multi cards ②         7       User ID number # card quantity #       Card quantity is between 1-2000       To add a series cards users ③         9       1       Administrator open door 1       Exit automatic ④         7       Niegand reader mode       Through Wiegand data lines , can make the device and external card reader are connected together, to realize of various functions.       1,#       Card number and PIN etc information will store in the device.       Card number and PIN etc information will store in the device.       The external reader only read card or as a device for input PIN, you can connect with a numbers of readers , but function all same.       0,#       0,#       0,#       0,#         1,#       0,#       Anti-passback for single door       To set working mode       The external card or as a device for input PIN, you can connect with a numbers of readers , but function all same.       0,#       0,#       0,#       0,#         1,#       0,#       No door bell-0       Setting       0,#       0,#       0,#       0,#       0,#       0,#       0,#       0,#       0,#       0,#       0	<ul> <li>③ 8 digits card number, such as: 118, 32319, some cards has no mark of the first it requires to add card by read card, adding cards by input card number is not number, such as 0007765567, some cards has no mark of the first 3 digits 000 to input 10 digits 0007765567 by add 000 before 7765567.</li> <li>② A PIN 1234 is added for a card, it can not be used to unlock the lock, can be us</li> <li>③ After one card is added, you can continue to add other cards or PIN without ex</li> <li>9.2 Advanced operation:</li> </ul>	acceptable; 10 digits card 0,remains 7765567, requires sed to change PIN.	<ul> <li>③ The card number must be consecutive, Card quantity is between 1-2000.</li> <li>④ After unlocking, enter the normal working state.</li> <li>⑤ After closed the alarm, anti tamper, anti-duress and door magnetic alarm are invalid.</li> <li>⑥ Refers to static state, normal indication according to operation.</li> <li>⑦ Enter the administrator password correctly, the buzzer alarm in the normal phonation.</li> <li>⑧ Each key press or read card, keypad backlight will light 30S delay after the close, in close state , the first key</li> </ul>	Adminstrator Setti           White         Red flash         Function           *         6-8 digits Master code #         Enter programmer           Reader Setting         Reader Setting	
0         1-15,#         Factory default setting: 0         10 set tacility code           7         1         0,#         Wiegand reader mode         0,#         No door bell function           1,#         Standalone for single door (Factory default)         To set working mode         1,#         0         1,#         Built-in door bell         0           2,#         Anti-passback for single door         Anti-passback for single door         To set working mode         1,#         No door bell function         0	<ul> <li>③ 8 digits card number, such as: 118, 32319, some cards has no mark of the first it requires to add card by read card, adding cards by input card number is not number, such as 0007765567 by add 000 before 7765567.</li> <li>② A PIN 1234 is added for a card, it can not be used to unlock the lock, can be us</li> <li>③ After one card is added, you can continue to add other cards or PIN without ex</li> <li>9.2 Advanced operation:</li> <li><u>Advanced Application</u></li> <li><u>Advanced Application</u></li> <li><u>Red</u> Orange</li> <li><u>Flash</u> Orange</li> <li><u>Flash</u> Crange</li> <li><u>Flash</u> Crange</li> <li><u>Flash</u> Crange</li> <li><u>Set add card</u></li> <li><u>Set add card</u></li> <li><u>Set delete card</u></li> <li><u>3</u> Read card</li> <li><u>4</u> 8 digits duress PIN,#</li> <li><u>To set duress PIN</u></li> </ul>	acceptable; 10 digits card 0,remains 7765567, requires sed to change PIN. diting the mode 1. Remarks To add card user To delete card user To set duress user	<ul> <li>③ The card number must be consecutive, Card quantity is between 1-2000.</li> <li>④ After unlocking, enter the normal working state.</li> <li>⑤ After closed the alarm, anti tamper, anti-duress and door magnetic alarm are invalid.</li> <li>⑥ Refers to static state, normal indication according to operation.</li> <li>⑦ Enter the administrator password correctly, the buzzer alarm in the normal phonation.</li> <li>⑧ Each key press or read card, keypad backlight will light 30S delay after the close, in close state , the first key is just to start the keyboard light, no any function.</li> <li>⑨ 10 times consecutive errors including: enter an invalid master code, user password, or anti-duress or invalid card.</li> </ul>	Administrator Setti       White     Red flash     Function       *     6-8 digits Master code #     Enter programm       Red     Orange     Orange       Flash     Flash     6~8 digits new master       0     6~8 digits new master code #     Factory default : 88       0     0     0-15, #     Factory default sett	
	<ul> <li>③ 8 digits card number, such as: 118, 32319, some cards has no mark of the first it requires to add card by read card, adding cards by input card number is not number, such as 0007765567 by add 000 before 7765567.</li> <li>③ A PIN 1234 is added for a card, it can not be used to unlock the lock, can be us</li> <li>③ After one card is added, you can continue to add other cards or PIN without ex</li> <li>9.2 Advanced operation:</li> <li> <ul> <li>Advanced operation:</li> <li>Advanced Application</li> <li>Read card</li> <li>Set add card</li> <li>Read card</li> <li>Set add card</li> <li>Read card</li> <li>Set delete card</li> <li>Read card</li> <li>Set delete card</li> <li>Read card</li> <li>Set duress PIN</li> <li>0,#</li> <li>Automatic mode (Factory default)</li> <li>1,#</li> <li>Set Zone 1as Auto-lock switch</li> <li>6</li> <li>1-10,#</li> <li>Factory default setting :1</li> <li>7</li> <li>User ID number # card</li> <li>The card number must be consecutive Card quantity is between 1-2000</li> <li>9</li> <li>Administrator open door 1</li> </ul> </li> </ul>	acceptable; 10 digits card 0,remains 7765567, requires sed to change PIN. diting the mode 1.	<ul> <li>The card number must be consecutive, Card quantity is between 1-2000.</li> <li>After unlocking, enter the normal working state.</li> <li>After closed the alarm, anti tamper, anti-duress and door magnetic alarm are invalid.</li> <li>Refers to static state, normal indication according to operation.</li> <li>Enter the administrator password correctly, the buzzer alarm in the normal phonation.</li> <li>Each key press or read card, keypad backlight will light 30S delay after the close, in close state , the first key is just to start the keyboard light, no any function.</li> <li>I times consecutive errors including: enter an invalid master code, user password, or anti-duress or invalid card.</li> </ul> <b>10. Various Working Modes Application</b> The device has 3 working modes: <ol> <li>Wiegand Reader</li> <li>Standalone for single door(Factory default setting)</li> <li>Anti-pass back for single door</li> </ol> Through Wiegand data lines , can make the device and external card reader are connected together, to realize of various functions.	Administrator SettiWhiteRed flashFunction*6-8 digits Master code #Enter programmer Reader SettingRedOrange FlashOrange FlashFunct0 $6 \sim 8$ digits new master code # Repeat 6~8 digits new master code #Factory default : 8800-15, #Factory default sett226-37, #Factory default sett31, #Each key press sen (Factory default set740, #Close Alarm	



trol power supply)

lay in BELL\_A and BELL\_B will

n alarm is activated; It will be not

ck and will release after unlocking

СОМ

KB NO 

with +12Vand NO(or NC),

uch as Electronic Controlling Lock,

h as Electromagnetic Lock,

ock while the contact of relay rence to circuits and the life time of

#### 3. Manager Cards Operation 3.1 Add user card(s)(In dual door mode, users can be only added to zone 1)

Read manager add card Read Usercard Read manager add card Cards can be added continuously. 3.2 Delete user card(s)

Read manager delete card Read User card Read manager delete card Cards can be deleted conti

# 4. User Operation

4.1 To unlock the lock by one card: Read valid card once, the lock will be unlocked. 4.2 To unlock the lock for card and PIN users

Read valid card once Input 4-6 digits PIN # , the lock will be unlocked.

4.3 To unlock the lock for card or PIN users Read valid card Or Input 4-6 digits PIN # , the lock will be unlocked

4.4 To unlock the lock for multi cards: Read 2-10pcs valid cards (time interval can not exceed 5s), the lock will be unlocked. Precondition: Set the door entry by card only, and set "2-10" for opening the door by multi cards

4.5 Toggle Mode

In normal mode, Every time a valid card/tag read or PIN input, the replay will operate, for the pre-set replay pulse time. Every time a valid card/tag read or PIN input in Toggle mode, the relay changes state, which will not turn back until read card/tag or input PIN again.

4.6To change the PIN of a PIN user

 \*
 Read card
 Input old PIN
 #
 Input new PIN
 #

\* User ID number Input old PIN # Input new PIN # Input new PIN #

Remark: For users without card, must get ID number and initial PIN from the master. For Zone 1, the first digit of PIN must be "1", for Zone 2, the first digit of PIN must be "2" For the card users with PIN "1234", must use Reading card to change the PIN for the first time.

4.7 Door Bell

Press the door bell button on the access control unit, the buzzer will sound ring back tone, at the same time, the I box's built-in door bell or the outer door bell will ring. Remark: When the work mode is set in Auto Mode (Factory Default Mode), there will be no ring back tone without the I Box.

### 5. Alarm

5.1 Anti Tamper Alarm When the access control unit is disassembled illegally, the access control unit's buzzer and the external

alarm will operate.

5.2 Door Status Switch When connect with door status switch, if the door is opened illegal, the access control unit's buzzer and the external alarm will operate.

5.3 Anti-duress alarm When read zone 1 duress card / input 8 digits duress PIN OR zone 2 duress card / input 8 digits duress PIN, then press #, the corresponding lock will open, at the same time, the external alarm will operate, but the access control unit's buzzer will not operate.

5.4 To remove the alarm Read valid card or input master code can remove the alarm. If there is no operation, the alarm will remove automatically after 1 minute.

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## 6. Keypad lockout or alarm

To prevent consecutive enter of an invalid master code, user password, or anti-duress or invalid card, this function will be activated after 10 times consecutive errors input. There are 3 mode available: No keypad lockout or alarm, keypad locked for 10 minutes, alarm for 1-3 minutes.

# 7. To Reset to Factory Default

Keypad access control(sKey-w, sKey-s), power off, keep pressing \*and power on, the logo will turn in orange after 1 second, release it until hearing two shot beep , then hearing a long beep, enter normal mode, reset to factory default setting is successfully.

Touch panel access control(sTouch-w, sTouch-s), power off, power on, the logo will turn in orange after 1 second, press \* within 1 second, release it until hearing two shot beep, then hearing a long beep, enter normal mode, reset to factory default setting is successfully.

Remark: Reset to factory default, the users' information is still retained.

8. S	ound and Light Indication	
Operation Status	Logo Color	Buzzer
Standby	White	
Press Key		Short Ring
Read Card	Green	Long Ring
Unlock the lock	Green	Long Ring
Operation Successful	Green	Long Ring
Operation Failed		3 Short Ring
PIN Inputting	Slow Flash Red	
Card & PIN Reading	Slow Flash Red	
Multi Card Reading	Slow Flash Red	
1 <sup>st</sup> Menu	Slow Flash Red	
2 <sup>nd</sup> Menu	Slow Flash Orange	
Under Setting	Orange	
Manager Card Reading	Orange	2 Short Ring
Manager Card Exit	White	Long Ring
Alarm	Quick Shine in Red	Alarm
Ring-back Tone		Ding-Dong

#### 9. Master Setting

Logo LED Light indication		Remarks	Functions
White logo	Red logo LED flash	Factory default :	To enter the
*	6-8 digits Master code #	888888	programming mode

Enter Master Operation Mode. It will return to normal mode if there is no right Master PIN input in 5 seconds. After input of right master PIN, it will also return to normal mode if there is no valid operation in 30 seconds. Press "#" to confirm the input number, return to previous menu by press "\*", the logo light will indicate the operation mode.

Note that to undertake the following programming, the master user must be logged in

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#### 0,# Disable To set logo LED light 1 # Enable(Factory default setting) OFF-The device will be in silence 0,# except enter the programming mode o set keypad tone ON-The device will give the voice when ON or OFF External Reader (Inside Door) 1,# press the keys (Factory default setting) Disable keypad backlight 0,# To set keypad Enable keypad backlight (Factory 1,# backlight default setting) Automatic mode r single door To set keypad 2,# Normally it is off(sleeping mode) but backlight wake up with human approach Disable anti tamper alarm (Factory 0,# To set anti tamper default setting) alarm er Mode) 1,# Enable anti tamper alarm When LED level is low, logo light will turn into Green, after 30 seconds or LED level rising, Logo light will back to NC When BZ level is low, the Buzzer will beep, after 30 seconds or BZ level rising, the Buzzer will back to normal. blue Purple Orange Gray When the access host worked as reader, both card number and keypad transmits in Wiegand format, the output data are shown by the Low Level of D0 & D1 cable: D0: Low level means 0, green cable D1: Low Level means 1, white cable The Pulse Width of Low level is 40uS, Bit period is 2mS. The digit of Car number can be set to $26 \sim 27$ Bit, should be matched with the controller. (Factory default is 26Bit) Wiegand 26 card reader, HID card can output Wiegand $26 \sim 37$ automatically, other cards are output Wiegand 26 compulsively. Wiegand 27~37 card reader, all cards are forced output Wiegand 27~37. Keypad transmission can be set in the following 3 modes Model 0: The Reader will transmit the PIN data when it receives the last key (#) press after PIN code Format: Decimal card number with 10-digit , Facility Code(1st $\sim$ 4th digit)+ PIN Code (5th $\sim$ 10th digit) Remarks ode Factory default :888888 (Facility code is any digits between 0~15, PIN code is 4~6 digits) Example: Facility code:15 PIN code: 2999 Press 2999 #, then output format will be: 0015002999 Remarks PIN code: 999999 Press 999999#, then output format will be 0015999999 Change the master Model1: 4-Bit The output data is provided in following format after every key is pressed: To set facility code 1 (0001), 2 (0010), 3 (0011) 4 ( 0100 ) , 5 ( 0101 ) , 6 ( 0110 ) To set Wiegand format 7 (0111), 8 (1000), 9 (1001) ard number \*(1010),0(0000),#(1011) output data To set keypad Model 2: 8-Bit transmission format The output data is transmitted in following format after every key is pressed: output data 1 (11100001), 2 (11010010), 3 (11000011) 4 (10110100), 5 (10100101), 6 (10010110) To set Alarm 7 (10000111), 8 (01111000), 9 (01101001) or option \*(01011010),0(11110000),#(01001011) tory default 10.2 Standalone for Single door To set door bell In this mode, the access host uses can open the door by valid card or PIN, it supports connecting external card function reader for exiting door. When input duress PIN/Card, the door will open, at the same time, the external alarm operates I - ON 08 www.sebury.com.cn

10.3 Anti-passback for Single Door

> In this mode, access host install outside is for entering door, external reader inside for exiting door, they build up a single door anti-passback system, access host is the anti-passback master unit. > Read valid card or input PIN on access host, door will open; read valid card or input PIN on external reader, door will open.

> When input duress PIN/Card, the door will open, at the same time, the external alarm operates > When input duress PIN/Card on external reader, the door will open, at the same time, the external alarm operates.

> Open type forced Card Only, the user PIN is invalid.

> The users can only enter door when read valid card on access host, and exit from the inside external reader, If without the entering record from access host, the users can not exit from the inside reader, also the users can't enter in twice without the first exit record.

	11. Simple	Troubleshooting
Fault Phenomenon	Fault Cause	Reason & Solution
Reading distance is too close	<ol> <li>Card problem</li> <li>Switch power supply interferences card reading</li> </ol>	1. Please use original made card 2. Wiring power supply and access host shell to ground wire
Set user PIN failed	1. Wrong way of PIN setting 2. Setting PIN under card reading mode	<ol> <li>In mode of two Doors 1,the 1st digit of PIN must be 1. Two doors 2, the 1st digit of PIN must be 2.</li> <li>User PIN cannot be 1234</li> <li>User PIN only can be 4~6 digits</li> </ol>
Can't open door after inputting user's PIN	Use 1234 as user's PIN	1234 is the initial value, can't be used to open doors, unless after resetting them to other 4~6 digits
Alarm under normal situation	Light leaking when install access host	Leaning on wall closely when install access host
No reaction when reading card	not on standby status	Exit by pressing * until logo light turns to white
Keypad light off Set keypad light mode improperly		<ol> <li>Set the keypad light to always On or automatic mode</li> <li>Under automatic mode, keypad light will on when people approaching</li> </ol>
Cannot enter Administrator setting mode		Reset to Factory Default, default master code is 888888 need to reset conditions and specifications, but users' information is still retained

For other issues beyond above, welcome to contact our technicians for more details.

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