S2 Metal Waterproof Access Control	Lintroduction This is a proximity and waterproof access controller, IP65, which is a modern and advanced access control system. It uses the latest central processor(CPU), S2 can store 2500 users. It supports card, card plus PIN and card/PIN three access modes, also can add PIN independently. Anti-vandal, alarm, exit button, safe mode, wiegand input/output, etc, which make the user safer. Lethering Inclusion Electronic Input/Second Second		3.3.1 Common power supply 3.3.1 Common power supply GND Pink Negative Output DI Green Wiegand Output/Input Alarm Power Supply ALARM-Gree Connect Alarm Negative OPEN Brown Door Contact Button Alarm	4. Administrator Operation 1.To Reset to Factory Default To reset to factory default, power off, press "*", hold it and power up, release it after hearing two beeps and the LED turn orange. The controllers is then waiting to add a new master card. Then present any two EM cards. The first one will "add a user card", the second is "adding a new delete user card". The LED will then turn red, confirming the unit has been reset back to factory default and new Master Cards added. If new Master Cards are not set within 10 seconds the LED will turn in red, and S2 goes back to working status.
	Appearance Metal case, anti-explosion and anti-tamper Waterproof IP65 Input voltage DC: 12-24V AC: 12-18V Capacity(max) 2500 PIN 4digits Not related to the card. Master card Add/delete user As reader Support Wiegand 26bits, PIN wiegand output is virtual number, set the facility code, set the address of reader.	PCB connect diagram	AC&DC Blue Relay NO, Normal when Circuit Open NC Orange Relay NC, Normal when Circuit Closed Connect Power Supply Negative Cone door Access Control	Note: Resetting to factory default, the user's information is still retained. 2.Enter into Programming Code: Press * Master code # 888888 is the default factory master code. Note: Below 3 to 11 items all operation need in programming mode. 3.Change Master Code: Press 0 New code # New code #
56 78 90 *#	Connect external reader Can connect any EM/HID/IC readers with wiegand 26 output Connect high power alarm External current of the alarm ≥3A 3. Installation Procedure 3.1.1	Function Color Description D0 Green Wiegand 26 output/input D1 White Wiegand 26 output/input ALARM- Grey Alarm Negative OPEN Yellow Request to Exit Button D_IN Brown Door Contact	3.3.2 Special Power Supply	Note: the master code can be any 6 digits, please stores well. 4.1 To add users 4.1 To add card users automatically. Press 1 Read card1 Read card2# Mark: The range of ID number : 1~2500. The ID number is auto generation and be Search continuously The add card will auto associate PIN "1234" (factory default), this PIN could not open the door. 4.2 To add card users manually
User Manual	Drill hole on the wall according to the back size of the machine or install distributing box well. 3.1.2 Thread the cable through cable hole, connect related cable. For the un-used cable please separate with insulating tape and keep well in case of short circuit. 3.1.3 Fix back cover on the wall or distributing box with screw. 3.1.4 After wiring, install front casing to the back casing and fix well. \cdot 01.	AC&DC Red 12V AC&DC Regulated Power Input AC&DC Black 12V AC&DC Regulated Power Input NO Blue Relay NO COM Purple Relay COM NC Orange Relay NC GND Pink Negative	ACBDC Black Relay NO, Normal when Circuit Open COM Purple Relay Commod Port Orange Relay NC, Normal when Circuit Closed S2 One door Access Control	4.2 To add card users manually Press 1 [D number 1# read card1] [D number 2# read card2 ##] Mark: Press # means "confirm", Press last # means end of the current settings. Press ★ means to exit the current operation 4.3 To add no-card users Press 1 [D number 1# PIN 1] [D number 2# PIN 2] # Mark: The PIN of S2 is 4 digits any number; `04.`
	 4.4 To add card users synthetically Press 1 read card1 IID number 1# read card2 ID number 2# PIN# # 4.5 To add users by manager card Manager add card [Swipe add user card continuously Manager add card] That is exit add users settings 4.6 To add consecutive card users Press 5 ID number # 8 digits number 1 # Card number #. Mark: The quantity of S2 cards could not exceed 2500. The ID number must be continuous vacant number. 5.1 Auto Delete Press 2 Read card1 Read card2 # 5.2 Manual Delete Press 2 ID number1# # 5.3 Synthetical Delete 	 8. Door open detection settings 8.1 To disable door open detection. (Factory default) Press 6 0 # 8.2 To enable door open detection Press 6 1 # 8.2.1When used with the function, there are two situation: if the door is opened normally, but not closed after 1 minute, the inside buzzer will beep automatically to remind people to close the door and confinue for 1 minute before switching off automatically. 8.2.2if the door is forced open, the inside buzzer and alarm output will both operate. 9. Security Mode settings 9.1 Normal status: (Factory default) Press 7 0 # 9.2 Keypad Lockout Press 7 1 # 	12. Alarm output time Press ⑨ 1-3 # Factory default is 1 minute 5. User Settings 1. Cards users change the PIN 1 Read Card Old PIN # New PIN # Repeat New PIN # Marks: S2 PIN is only 4digits; The PIN could not change to *1234* 2. No card users the PIN 1 Di number # Old PIN # New PIN # Repeat New PIN # Marks: S2 PIN is only 4digits; The PIN could not change to *1234* 3. Open door by users card Read Card If it is valid ,the door will open. 4. Open door by PIN Users PIN # If the PIN is right, the door will open.	6. Sound and Light indication Operation Status Red Light Green Light Buzzer Stand by Slow flash Off - - Short Ring Operation successful Off Bright Ring Operation successful Off Bright Ring Operation failed - - 3 Short Rings Enter into programming mode Bright Off Ring In the programming mode Slow flash Off Ring Den the door Off Bright Ring Open the door Off Bright Ring Alarm Quick flash Off Alarm Coperating Voltage DC:12-24V AC:12-18V Idle Current 35±5mA A
	Press 2 Read card1 ID number1# # 5.4 Delete all users Press 2 00000 # 5.5 To delete User by Manager Delete Card Manager delete card Swipe delete user card continuously Manager delete card That is exit delete users settings 6. Door Open mode settings	If there are 10 invalid cards or 10 incorrect PIN numbers in a 10 minute period either the keypad will lockout for 10 minutes. 9.3 Alarm Output Press 7 2 2 # If there are 10 invalid cards or 10 incorrect PIN numbers in a 10 minute period either the the outside buzzer and alarm output will both operate. 10. To set the facility code:	5. Open door by users card+PIN Read Card Users PIN # If the card and PIN are right, the door will open. 6. To remove the alarm 6.1 The inside buzzer and alarm output will both operate. Read valid card or press[Master Code] # to reset the Door Forced Open warning.	Active Current <80mA