2.1 main band, then your or prepare the cassette. Image: the back cover fund you the wall or prepare the cassette. Image: the back cover fund you the wall or prepare the unused cable in case of short circuit. Fix the back cover fund you the tease to factory default setting. Wanager add card firstly. Manager add card firstly. Manager add card firstly. Manager cards main board, then power on, if successful, the beeper will beep twice, the LED times in orange, remove the Short Pin, then read the Two Manager adds firstly. Manager add card firstly. Manager add card firstly. Manager add card firstly. Manager add card firstly. Manager cards Sabete user 2.1 main board, then power on, if successful, the beeper will beep twice, the cassette. Image: main board, then power on, if successful, the beeper will beep twice, the cassette. Image: main board, then power on, if successful, the beeper will beep twice, the LED times in orange, remove the Short Pin, then read the Two Manager cards (Manager cards (Manager cards (Manager cards (Manager cards (Manager card)). Image: main board, then power on, if successful, the beeper will beep twice, the LED times in orange, remove the Short Pin, then read the Two Manager cards (Manager cards (Manager cards (Manager cards (Manager cards (Manager card)). Image: main board, then power on, if successful, the beeper will beep twice, the LED times in orange cards (Manager cards (Manager card). Image: main board, then power on, if successful, the beeper will beeper will beeper will beeper will be prevent (Manager cards (Manager cards (Manager cards (Manager card)). Image: Manager cards (Manager card). Image: Manag	W2/W2-A Waterproof Standalone Access Control	Product Provinity 1.1 Description W2/W2-A is fully waterproof standalone Proximity access control. It adopts the advanced MCU and large capacity Flash from Atmel, support up to 10 000 cards. It is so easy to add or delete card users by infrared remote keypad and master cards. It has the interfaces for external alarm, door contact, exit button. They also has the functions of interlock, anti-passback. 12 Features Main the second second	Yellow OPEN To connect to one part of Exit Button Brown D_IN Door Contact input Red 12V (+) 12Vdc Positive Regulated Power Input Black GND (-) Negative Regulated Power Input Black GND (-) Negative Regulated Power Input Black GND (-) Negative Regulated Power Input Blue VSS the negative pole of the controller, connect to the other part of Exit button and door contact Purple L- Connect to the negative pole of the Lock Orange L+/Alarm+ Connect to the positive pole of the lock and alarm equipment 2.3 Connection Diagram There have 2 types of electronic lock in market, Factory default setting are Type B electronic lock: The lock time is 5 seconds. ① Type A electronic lock: Fail Secure lock (Unlock when power on), such as Electronic Controling lock. ② Type B electronic lock: Fail Safe lock(Unlock when power off), such as EM lock, Electronic Bolt Lock, etc. Image: Dome Green D1 Green D1 Green D1 Green D1 Green Grey Alarm D1 D0 D1	Image: Special Power Supply Image: Special Power Special Power Supply Image: Special Power Po	4.2 To delete user by Manager card Read Manager delete card Read user card Read Manager card Quit delete user mode. Note: Users can be add or delete continuously 5. Master Operation (By remote control) Enter the programming mode * [888888] #]. 888888 is the default factory master code Note: the following operation with "5" title, must enter into the programming mode. #] means confirm, Last #] means end current setting situation. *] means quit 5.1 Change the master code [0] new code #] repeat new code #] Code must be 6-8 digits numbers. please keep it 5.2.4 dd user 5.2.1 To read card continuously [1] read user card] #] 5.2.2 To input card number continuously [1] Bdigits card number #]	
	User Manual	Drill holes on the wall or prepare the cassette. Wire through the hole, and banket the unused cable in case of short circuit. Fix the back cover firmly on the cassette or the wall. Attach the machine to the back cover. 2.2 Wiring Color Function Description Green D0 Wiegand output, input signal wire D0 White D1	D_IN Brown +12V Red GND Black VSS Blue L- Purple	main board, then power on, if successful, the beeper will beep twice, the LED shines in orange, remove the Short Pin, then read the Two Manager cards (Manager add card firstly, Manager delete card secondly), after that the LED turns in red, means reset to factory default setting successfully. Remarks: Reset to factory default setting, the users' information enrolled is still retained. When re-set to Factory setting, the two Manager cards must be re-enrolled. 4. Use Manager Card 4.1 To add user by Manager card Read Manager add card] Read user card Read Manager card	Card quantity is between 1-9999 It takes 45minutes to add 9999 cards. During the time, the green light blink 5.3 Delete card by reading continuously [2] read card][#] 5.3.2 Delete card by inputing card number continuously [2] Bdigits card number #][#] 5.3.3 Delete all [2] 0000 #]	

5.4 Anti-passback setting 5.4.1 Anti-passback disabled (Factory default) $3 \bigcirc \#$ 5.4.2 Anti-passback master mode $3 \boxed{1 \#}$ 5.4.3 Anti-passback Auxiliary mode $3 \boxed{2 \#}$ Note: The detailed wiring diagram and illustration, please refer to the "Advanced application" 5.5 Lock power setting 5.5.1 Fail secure (Unlocked when power on $\boxed{4 0.99 \#}$. 0-99 is to set the door relay time.0s=50ms 5.5.2 Fail safe (Unlocked when power is off) $5 \boxed{1.99 \#}$ 5.6 Door open detection 5.6.1 To disable door open detection $\boxed{6 0 \#}$ 5.6.2 To enable door open detection $\boxed{6 1 \#}$	The machine will lockout for 10 minutes if we swipe 10 times invalid card in 10 minutes. 5.7.1.3 Alarm mode: 7 2 # External alarm system and Buzzer built-in controller will give alarm sound in the same time when we swipe 10 times invalid card in 10 minutes. 5.7.2 LED light setting(only for W2-A) 5.7.2.1 RED LED ON(factory default setting): 7 3 # 5.7.2.2 RED LED OFF: 7 4 # 5.8 Interlock setting and LED light setting: (only for W2) 5.8.1 Interlock OFF(default setting): 8 0 # 5.8.2 Interlock ON : 8 1 # 5.8.3 RED LED ON (default setting): 8 3 # 5.8.4 RED LED OFF: 8 4 #	8. Sound and LED Light Indication Operation status Color of LED Sound of Buzzer Standby status RED flash slow Press key of remote control Bee-eep Enter into programming RED on Bee-eep Enter into setting ORANGE on Beep Error Beep, Beep, Beep, Beep Open the door GREEN Alarm RED flash quick Alarm sound Standby current Alarm RED flash quick Alarm sound Urchnical Parameters Working voltage DC12V±10% Standby current <15mA Swiping distance 3-8cm Operating temperature -40°C Operating temperature -40°C Operating temperature 3A Max current of lock output load 3A	<section-header></section-header>
 When enable this function, there are two situation. 1) 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. Close the door or read user card can stop the beep. 2) Push the door after it is opened in 120minutes by legal way; or the door is forced open, the external alarm system and Buzzer built-in controller will give alarm sound. 5.7 Secure mode and LED light setting: 5.7.1 Secure mode setting 5.7.1.1 Normal mode: 70 # No lockout or alarm, and it is factory default setting. 5.7.1.2 Lockout mode: 71 # 	5.9 Time of alarm setting: 9 0~3 # Alarm time: 0~3 minutes, default setting is 1minute. 6. Operation of Opening the Door Open the door by swiping valid card. 7. Disalert Alam Operation Three ways: swiping user card, manager card, input manager's PIN.	Manager card(EM card) One add card, one delete card Dimension 103*48*23mm 10. Packing List 10. Packing List Name Quantity Remark Waterproof Reader 1 W2/W2-A Infrared remote control 1 Manager delete card 1 Manager delete card 1 Used for factory default setting User manual 1 Short Pin 1 Used for factory default setting User manual 1 Self Tapping Screws 4/2 $0.3.5*27mm$ Please ensure that all the above contents are correct. If any are missing, Please notify the supplier of the W2/W2-A. 1 1	WW2-A ControllerUmular <tr< td=""></tr<>

•6•

·5·

•7•

•8•

11.2 Anti-passback function for single door (Set as function 5. 4.2) The connection diagram is as figure 4. Install one Wiegand reader (or a W2 /W2-A without user information as reader) outside the door, connecting to one W2-Controller inside the door, which acts as the Anti-passback Master unit of the two devices, they build up an Anti-passback system for single door.

The operation function is as below:

11.3 Set the needed function and enroll the User Cards on the inside W2/ W2-A Anti-passback Master unit.

11.4 With the valid user card, the user can only enter the door from the outside reader, and exit from the inside W2/W2-A Controller. On the other hand, without entering record from the reader, the user can't exit from the controller inside, also, the user can't enter in twice without the first exit record, and vice versa.

11.5 Anti-passback function for 2 doors (Set as function 5.4.2) The connection diagram is as Figure 5. Door 1 with one W2/W2-A, and Door 2 with one W2/W2-A, set one W2/W2-A on Door 1 as the Anti-passback Auxiliary unit, and set the other W2/W2-A on Door 2 as the Anti-passback Master unit. They build up a two doors Anti-passback system, which is normally used for parking lot.....etc.

The operation function is as below:

11.6 Set the needed function and enroll the User Cards from W2/W2-A Anti-passback Master unit on Door 2.

11.7 With the valid user card, the user can only enter in from Door 1, and exit from Door 2. On the other hand, without entering record from the Auxiliary unit, the user can't exit from the Master unit or Auxiliary unit , also, the user can't enter in twice without the first exit record , and vice versa

11.8 Interconnected & interlocked for 2 doors only available for W2 (Set as function 5.6.2 door detecting switch must be on) in this mode, two W2/W2-A units are used for 2 doors which are interconnected and interlocked, when door 1 is open, door 2 cannot be opened, When door 1 is closed door 2 can be opened by reading valid card and vice versa. The interlocked function is mainly used in banks, prisons, and other places where a higher level of security is required. See figure 5.