

Code01

One-door Access Controller

User Manual V2.4

1. Specifications:

1.1 Technical parameters:

NO	Item	Value
1	Operating voltage	DC 12V±10%
2	Operating current	< 100mA
3	Dimensions	120×78×22(mm)
4	Weight	110g
5	Ambient temperature	0℃—60℃
6	Relative humidity	20%—80%
7	Storage	1000users
8	Card type (alternative)	EM(ID) card (IC card for options)
9	Card reading distance	1—15CM

1.2 Factory Default:

Programming Password	123456
Common Access Password	None
Relay Unlock output	5 Seconds
Open mode	Card or Access Password Access Password include Private Access Password (PIN) and Common Access Password
Security mode	OFF
Backlight (For options)	Auto
W26 port (For options)	Input

1.3 Light and Sound indicates:

Light: red and green

Light Description	Indicates
Red light flash every 1 sec (Slow flash)	Standby state
Green light flash every 0.5sec (Fast flash)	Pending further action
Red light is always ON	Programming state
Green light is always ON within Open Time	Unlocking state

Sound: Buzz

Sound Description	Indicates
1 short buzz	Valid input
3 short buzz	Invalid input
1 long buzz	Programming success
Continuous long buzz	Restoring factory programming passwords

2. Installations Guide:

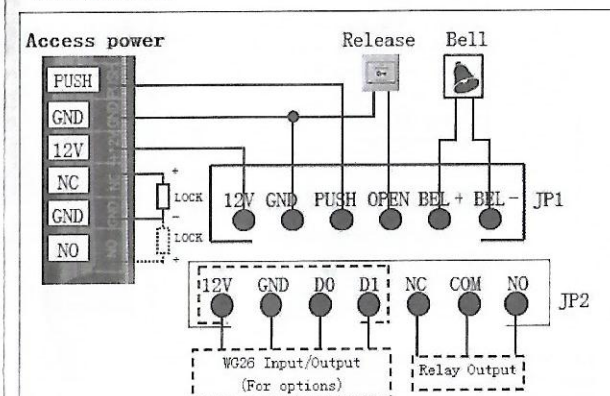
JP1 terminal:

NO	Mark	Color	Function
1	+12V	Red	Power+
2	GND	Black	Power-
3	PUSH	BLUE	Low level output
4	OPEN	Yellow	Door Release
5	BEL+	Grey	High level Input
6	BEL-	White	Voltage output

JP2 terminal:

NO	Mark	Color	Function	Remark
1	+12V	Red	Power+	For options
2	GND	Black	Power-	
3	DATA0	Green	WG DATA0	
4	DATA1	White	WG DATA1	
5	NC	Brown	Relay NC output	
6	COM	Blue	Relay Com output	
7	NO	Purple	Relay NO output	

Wiring diagram:



Remark:
If let Relay drive electric-lock, please connect a backward diode with the lock's "+" and "-" poles.

3. Programming Guide

3.1 Detailed Programming Guide:

Programming Password Default: 123456, all password can be 3~6 digits

	Purpose	Operations	Instructions
Basic Function	Change Programming Password	# Programming Password # 0 new Programming Password # new Programming Password #	If Programming Password lost, perform 3.2 to reset to Factory Default (123456).
	Add user card	# Programming Password # 1 read card #	If add multi cards, read cards continuously
	Set Common Access Password	# Programming Password # 21 new Common Access Password #	Common Access Password is only one. Open method: Common Access Password #
	Delete all users	# Programming Password # 40 0000 #	Delete all cards and PIN except Common Access Password
	Delete user by read card	# Programming Password # 41 read card #	If delete multi cards, read cards continuously
Expand Function	Add Private Access Password(PIN)	# Programming Password # 22 PIN #	PIN can be more. Open method: PIN #
	Add card by input card No.	# Programming Password # 23 input card No. #	Card No. is 10-digit or 8-digit, machine auto-identify
	Add multi-card by input card No. zone	# Programming Password # 24 input start card No. card Qty #	Card Qty is 4-digit (If one-time add twenty cards, input 0020)
	Add "card +PIN"	# Programming Password # 3 read card PIN #	If modify PIN, see 3.5
	Delete user by input User ID No.	# Programming Password # 42 input User ID No. #	About User ID No. see 3.4
	Delete user by input card No.	# Programming Password # 43 input card No. #	Card No. is 10-digit or 8-digit, machine auto-identify
	Delete user by input PIN	# Programming Password # 44 input PIN #	PIN is 3~6 digits.
	Delete all PIN users	# Programming Password # 45 1111 #	Use for PIN users (Do not include Card users and Card +PIN users)
	Change Open time	# Programming Password # 5 XX #	XX can be 2-digit, and the max. is 99. If input 00, the signal output time is 0.2 Secs.
	Set Open mode	# Programming Password # 6 XX #	XX can be 01(only Card) / 02 (Card or Access Password) / 03 (Card+PIN)
	Reader setting (For options)	# Programming Password # 6 04 #	The machine can be used for reader(W26 output)
	Security function Setting	# Programming Password # 7 XX #	XX can be 01/ 02(Security function OFF / ON) and 03/04(Anti-dismantle Alarm OFF / ON)
	Anti-dismantle Alarm setting(For options)	Remark: Security Function ON means System would be locked for 5 Minutes if continue to read illegal cards or input wrong Access Password for 10 times.	
	Backlight setting(For options)	# Programming Password # 8 XX #	XX can be 01/02/03 (Normal ON / Normal OFF / Auto)
	Reset Factory Default	# Programming Password # 8 99 #	Except Programming Password and Manager Card
	Set Manager Card	# Programming Password # 91 read MAC read MDC #	First read card is Manager Add Card and Second read card is Manager Delete Card.
Cancel Manager Card	# Programming Password # 92 #	MAC: Manager Add Card, MDC: Manager Delete Card	

3.2 To reset to Factory Programming Password (123456)

Step1、Turn off power and connect bin 2&3 of RST(S1).

Step2、Turn on power and buzzer gives 3 long buzz with green light flash fast.
If need to set Manager Card, now read two empty cards first one as Manager Add Card and Second one as Manager Delete Card with red light flashing and continuous short buzz.

Step3、Turn off power, disconnect bin2&3 and connect bin 1&2 of RST.

Step4、Turn on power again.

3.3 How to use Manager Card – MAC&MDC

To add a card user in standby mode:

To delete a card user in standby mode:

To delete all users in standby mode:

Remark: User cards can be added or deleted continuously.

3.4 User ID No. explain

User ID is auto-generating 4-digit number started at 0001. The number increases with adding user one by one and ignores deleting user. Common Access Password has no ID.

3.5 How to change PIN (When open mode: card+ PIN)

After reading card and input corresponding PIN to open the door, within 5 seconds, long press until the green light flash fast, and then input , new PIN changed successfully with a long buzz.

Code01

门禁一体机

使用说明书 V2.4

一 产品功能及技术参数

1.1 产品功能

此机器是一款采用非接触式感应卡和密码进行出入管制的门禁一体机，使用简单、性能可靠，主要有以下功能：

- 1、卡开门、密码开门、卡加密码开门 三种开门方式；
- 2、两组信号独立输出，一组继电器干触点信号和一组对地信号 PUSH（低电平）；
- 3、一组开门按钮接口；一组门铃接口；
- 4、一组 WG26 接口，可作为 WG 信号的输入或者输出（仅适用于部分型号）；

1.2 产品主要技术参数

项目	指标	项目	指标
工作电压	DC 12V±10%	环境温度	0℃—60℃
工作电流	<100mA	用户容量	1000 个
相对湿度	20%~90%	读卡类型	MF1 卡或 EM 卡
重量	110g	读卡距离	1—15CM

1.3 出厂参数默认值

参数名称	参数值	参数名称	参数值
开门模式	卡或密码开门	背光	自动
继电器开锁信号	5 秒	防拆、安全功能	关闭
公共开门密码	无	WG26 接口	输入

1.4 声光状态提示

灯快闪：亮 0.5 秒灭 0.5 秒 灯慢闪：亮 1 秒灭 1 秒
蜂鸣器短鸣：滴 蜂鸣器长鸣：滴—

日常使用状态提示：

待机状态	开锁状态	刷卡开门	密码开门 (输入密码后按#)	卡+密码开门 (刷卡后输入密码，再按#)
红灯慢闪	绿灯常亮	有效卡：绿灯常亮，短鸣一声；无效卡：短鸣三声	密码正确：绿灯常亮，短鸣一声；密码错误：短鸣三声	无效卡：短鸣三声；有效卡：绿灯快闪。密码正确：绿灯常亮，短鸣一声；密码错误：短鸣三声

编程操作状态提示（以增加用户卡的编程操作为例）

步骤	#	123456#	1 读卡	#
声光提示	绿灯快闪；短鸣一声	密码正确：红灯常亮，短鸣一声；密码错误：短鸣三声	绿灯快闪；能添加的卡长鸣一声，不能添加的卡，短鸣三声	输入正确：长鸣一声；输入错误，短鸣三声。红灯慢闪，同时退出编程状态。

二 安装和接线说明

2.1 接线端子说明

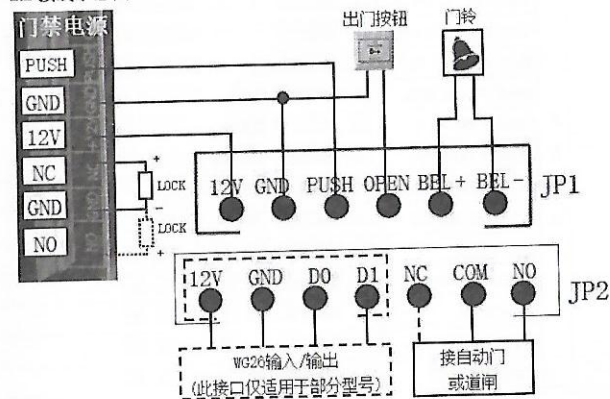
JP1:

序号	丝印	颜色	功能
1	12V	红	DC 12V 输入
2	GND	黑	电源地
3	PUSH	蓝	低电平输出
4	OPEN	黄	出门按钮
5	BEL+	灰	接门铃线的正极
6	BEL-	白	接门铃线的负极

JP2:

序号	丝印	颜色	功能	备注
1	12V	红	DC 12V 输出	部分型号无此接口
2	GND	黑	电源地	
3	DATA0	绿	WG 数据线 0	
4	DATA1	白	WG 数据线 1	
5	NC	棕	继电器常闭端	
6	COM	蓝	继电器公共端	
7	NO	紫	继电器常开端	

2.2 接线示意图



注：如直接用继电器驱动电锁，请在电锁的正负端并接一个续流二极管。

三 门禁机编程

3.1 编程操作说明：(编程密码出厂值为：123456)

(注：所有密码都可以是 3~6 位数字)

编程名称	连续按键(读卡)操作	备注	
常用操作	修改编程密码	# 编程密码 # 0 新编程密码 # 重复新编程密码 #	如忘记了编程密码,可按3.2步骤操作,恢复到出厂默认值(123456)
	增加用户卡	# 编程密码 # 1 读卡 #	如需一次性添加多张用户卡,连续读卡即可
	增加(修改)公共开门密码	# 编程密码 # 21 新密码 #	公共开门密码只能设置一组;密码开门时,输入“密码”,再按“#”就可以开门
	删除全部用户	# 编程密码 # 40 0000 #	此操作会删除所有卡和密码用户,但不会删除公共开门密码
	删除用户(读卡)	# 编程密码 # 41 读卡 #	如需一次性删除多张用户卡,连续读卡即可
扩展操作	增加个人开门密码	# 编程密码 # 22 新密码 #	个人开门密码可以设置多组;密码开门时,输入“密码”,再按“#”就可以开门
	增加用户卡(输入卡号)	# 编程密码 # 23 手工输入卡号 #	卡号可以是感应卡上空格左边的10位数字或者右边的30位数字,机器自动识别
	增加用户卡(连续卡号)	# 编程密码 # 24 手工输入起始卡号 卡片数量 #	卡片数量必须是4位数(如一次性加20张卡,应该输入0020)
	增加“卡+密码”用户	# 编程密码 # 3 读卡 编程密码 #	要修改与卡对应的密码,请参考3.5步骤
	删除用户(输入编号)	# 编程密码 # 42 用户编号 #	用户编号说明详见3.4节,输入的用户编号时必须是4位数,如0001、0020等
	删除用户(输入卡号)	# 编程密码 # 43 手工输入卡号 #	卡号可以是感应卡上空格左边的10位数字或者右边的30位数字,机器自动识别
	删除用户(输入密码)	# 编程密码 # 44 个人开门密码 #	删除该密码对应的用户,与该密码对应的卡号一并删除
	删除所有密码用户	# 编程密码 # 49 1111 #	所有仅是个人开门密码的用户都被删除
	修改继电器开锁时间	# 编程密码 # 5 ×× #	“××”为两位数字,最多99秒;如果输入00,则继电器信号瞬间输出(0.2秒)
	设置开门模式	# 编程密码 # 6 ×× #	“××”可以是01(卡开门)、02(卡或密码开门)或03(卡+密码开门)
	读卡器功能(WG26输出)	# 编程密码 # 6 04 #	此模式下本机可做读卡器使用,WG接口输出WG26信号,【此功能仅适用于部分型号】
	设置安全功能	# 编程密码 # 7 ×× #	“××”可以是01或02(安全功能关/开)、03或04(防拆报警关/开,仅适用于部分型号)
	设置背光模式	# 编程密码 # 8 ×× #	“××”可以是01(灯常开)、02(灯常闭)、03(自动)【此功能仅适用于部分型号】
	恢复机器出厂参数	# 编程密码 # 9 99 #	所有机器参数都恢复为出厂值,如表1.3所示

3.2、初始化编程密码(123456)与设置母卡(管理卡)

第一步:断电,把RST(S1)跳线帽连接2、3端,重新上电,三声长鸣后绿灯快闪,此时编程密码恢复为出厂值(123456)
 第二步(如无母卡,此步骤可省略):连续刷两张空白卡(第一张为“增加卡”,第二张“删除卡”),此时红灯闪烁、连续短鸣。
 第三步:断电,跳线帽重新连接1、2端,最后重新上电,编程密码初始化成功和母卡增加完成。

3.3 母卡的使用

增加用户卡:在待机状态下,刷“增加卡”,再刷要增加的用户卡,然后刷“增加卡”退出
 删除用户卡:在待机状态下,刷“删除卡”,再刷要删除的用户卡,然后刷“删除卡”退出
 删除全部用户:在待机状态下,刷“删除卡”,再刷“增加卡”,然后刷“删除卡”退出。此操作会删除所有用户,包括个人密码用户(不含公共密码)。

3.4 用户编号说明

机器默认的用户编号由4位数组成。从0001开始每增加一个用户,用户编号就自动加1;中间有删除单个用户时,该编号自动置空,新增用户编号还是在最后的用户编号上加1;执行删除全部用户命令(编程命令40或者用管理卡)后,用户编号从0001重新开始。公共开门密码不占用用户编号。

3.5 修改与卡对应的个人开门密码:

开门模式设为“卡+密码开门”,用户刷卡接着输入开门密码并按“#”,成功开门后的5秒内,长按“井”直到绿灯快闪,这时输入新密码 # 重复新密码 #,蜂鸣器长鸣一声,与该卡对应的个人开门密码修改成功。