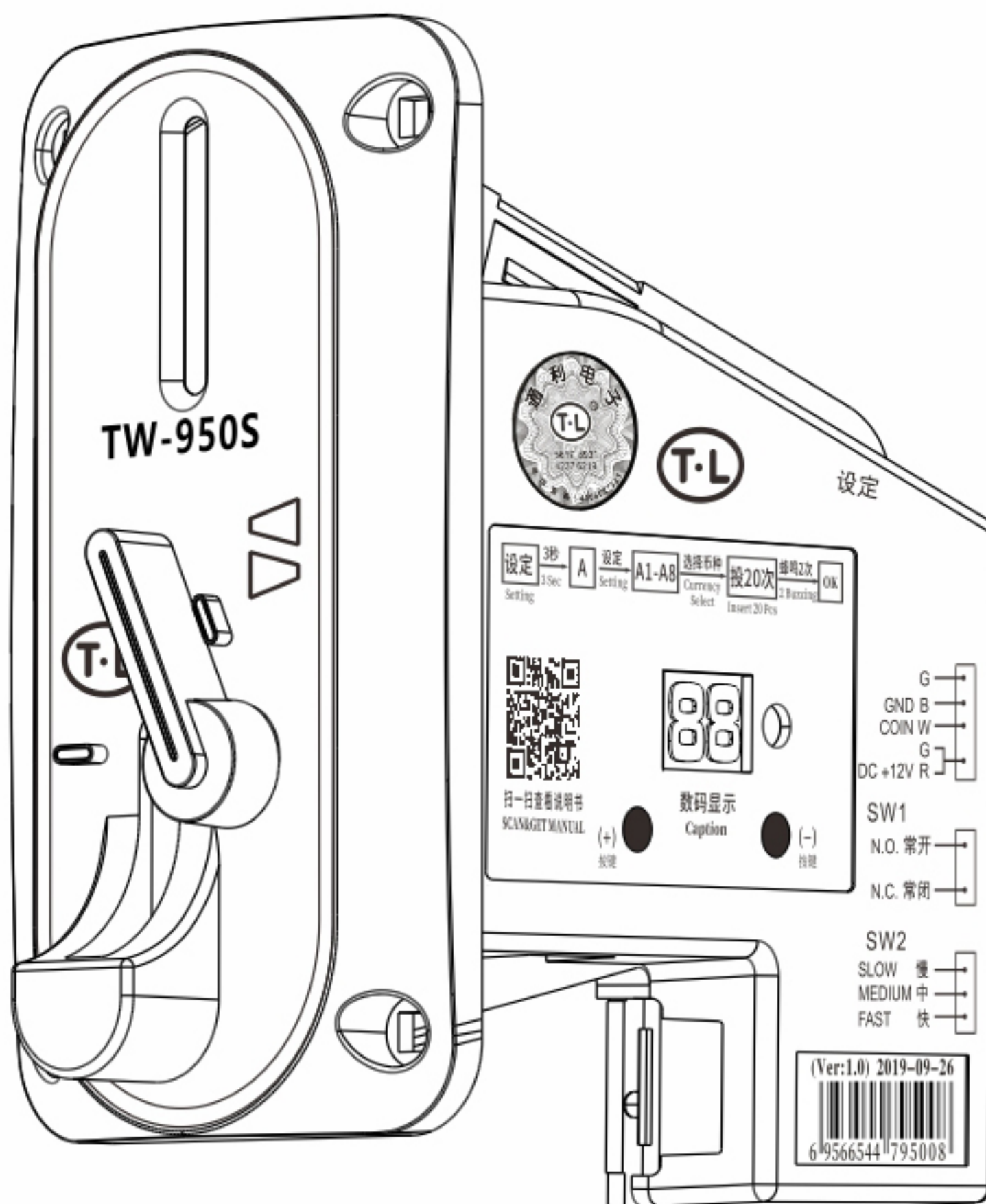




用户指南



TW-950S(侧投) 多币值

- 感谢您购买
- 在使用前，请务必阅读此说明书。

一、产品规格：

工作温度: $-15^{\circ}\text{C}\sim+50^{\circ}\text{C}$

工作电压: $\text{DC}+12\text{V}\pm 10\%$

硬币直径: $\Phi 22\text{mm}\sim 29\text{mm}$

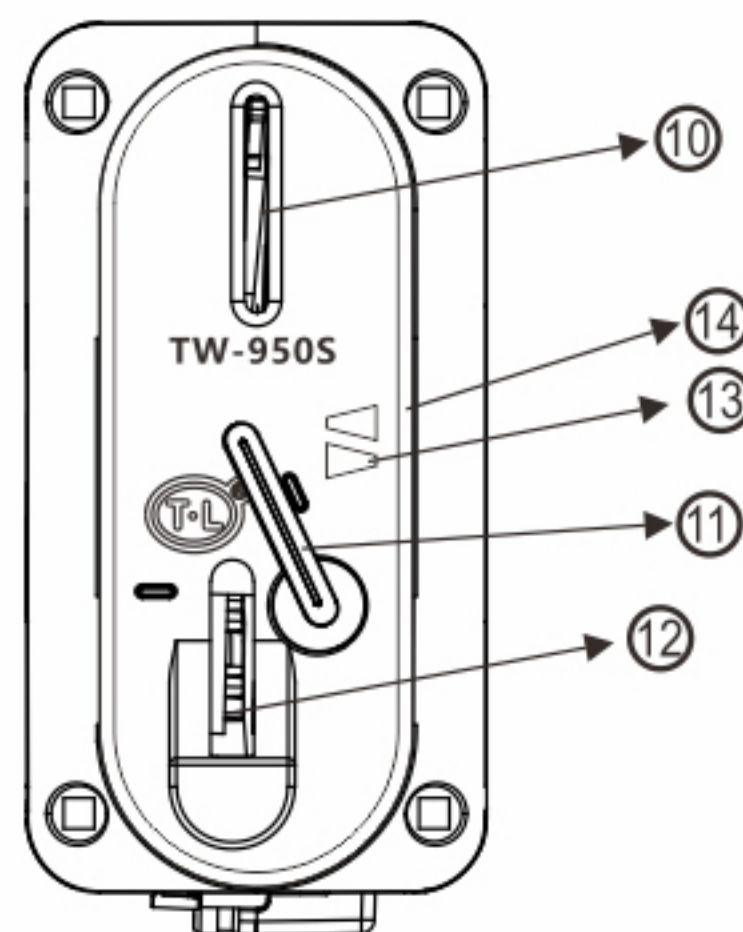
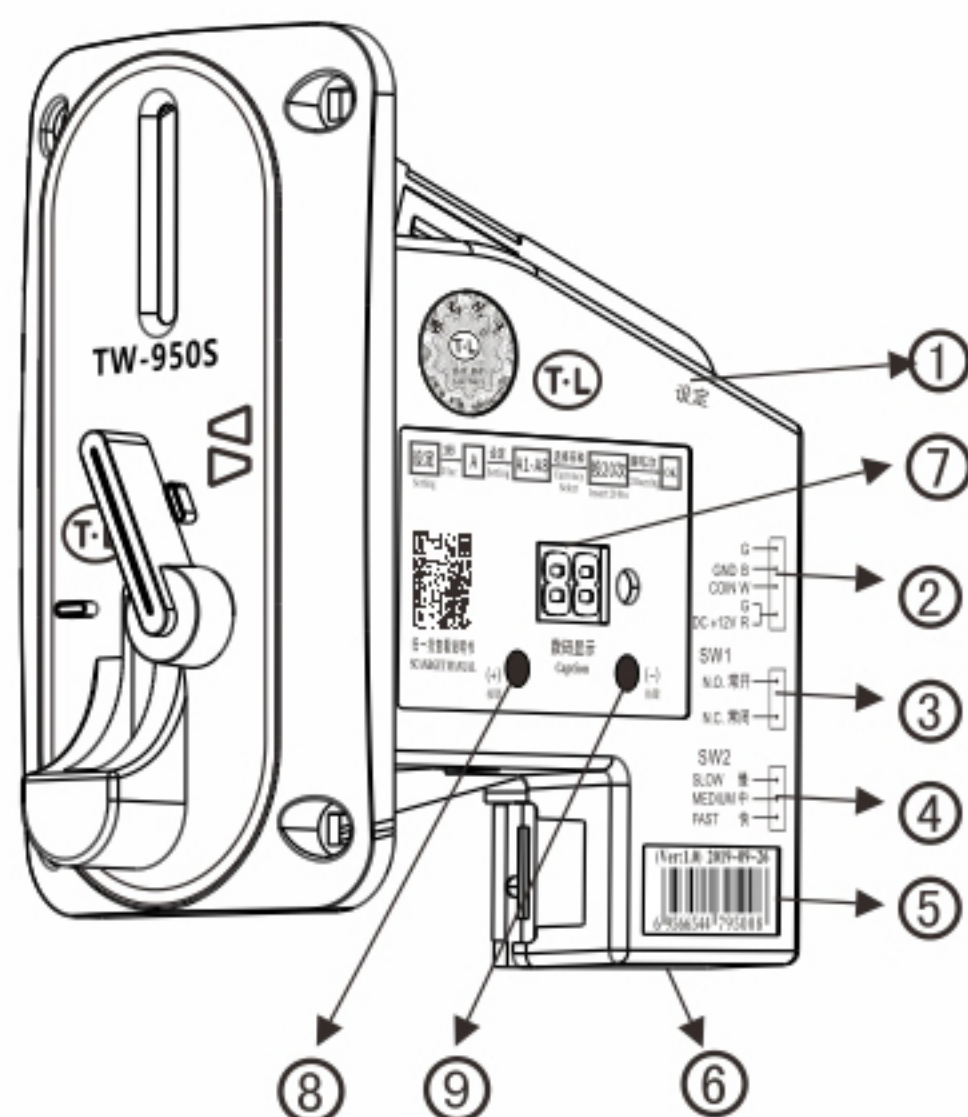
输入: $260\text{mA}\sim 650\text{mA}\pm 10\%$

硬币厚度: $1.7\text{mm}\sim 2.75\text{mm}$

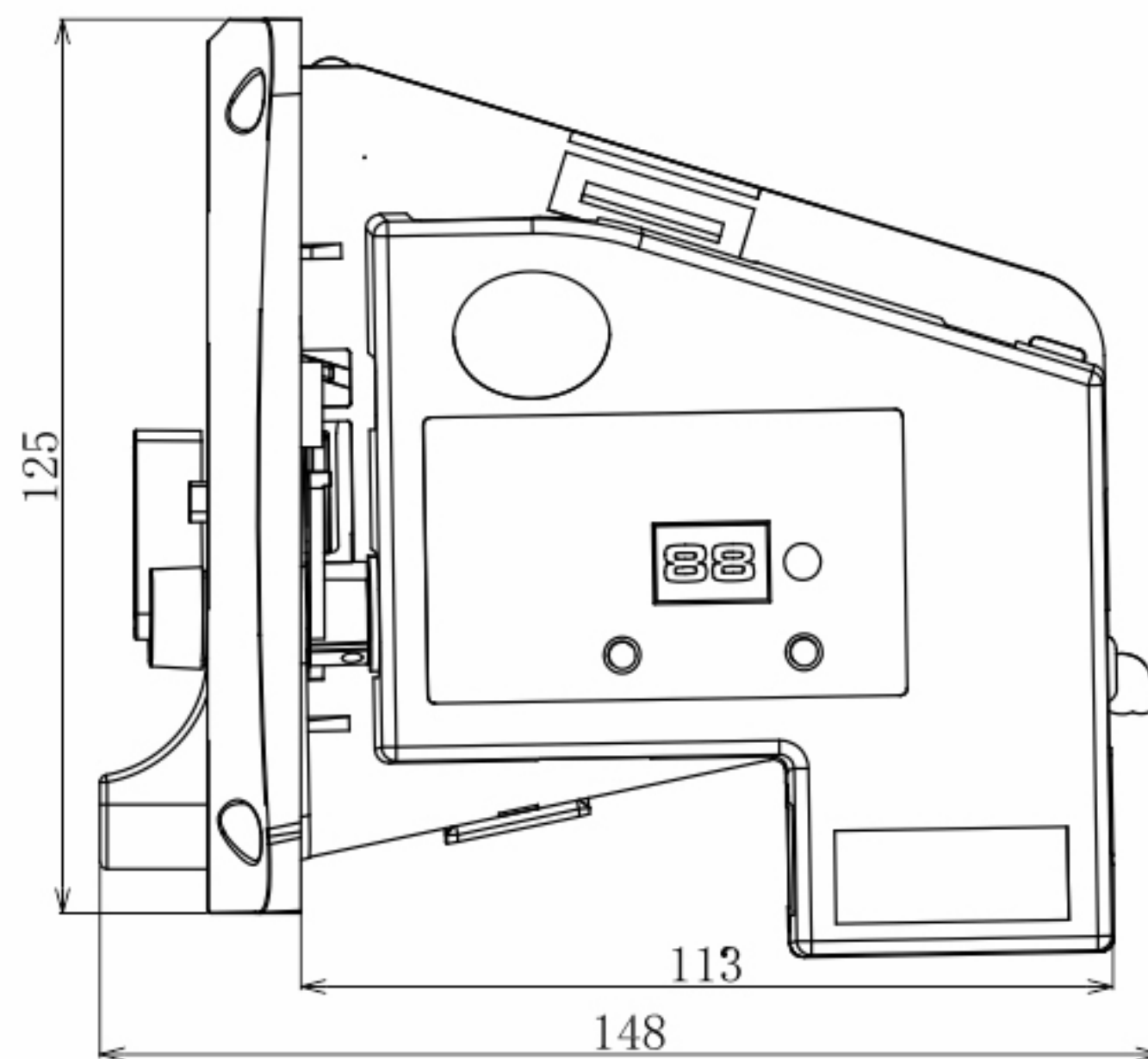
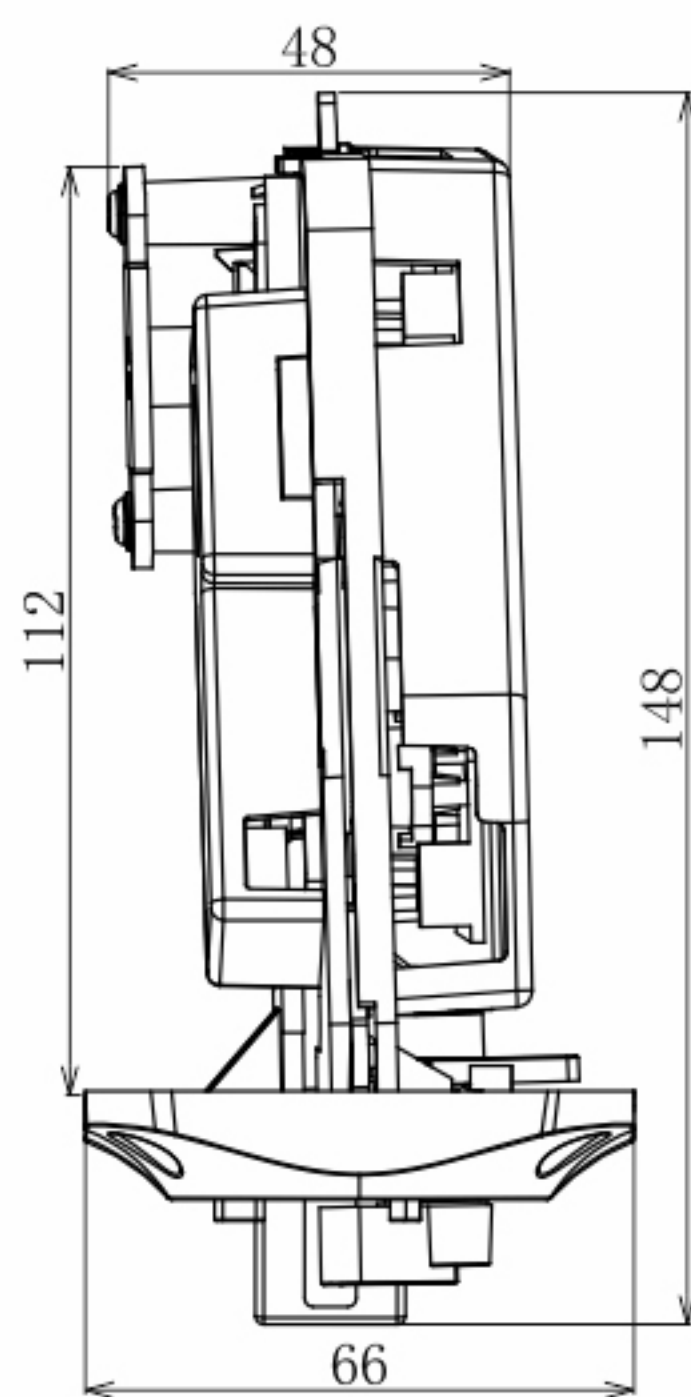
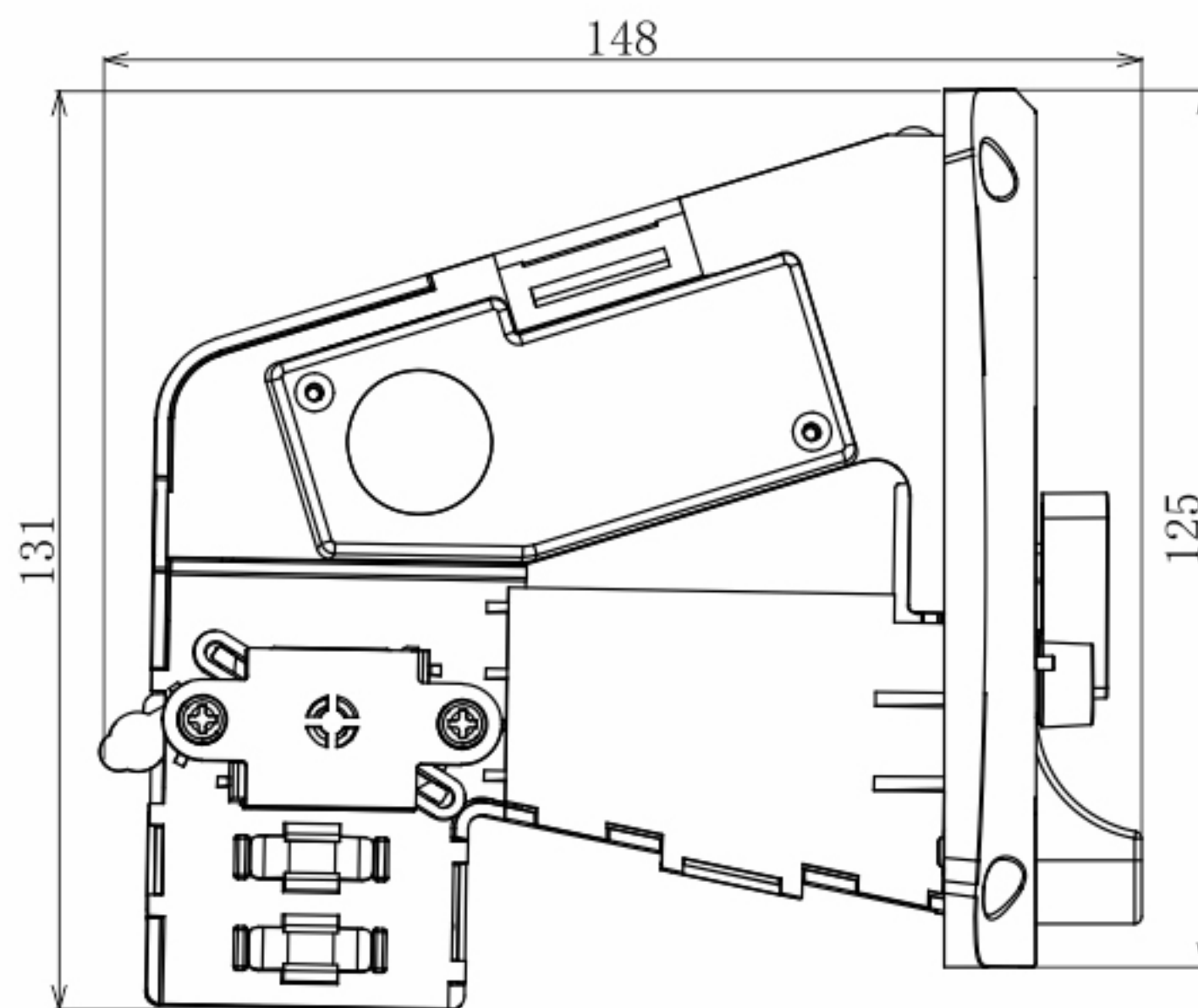
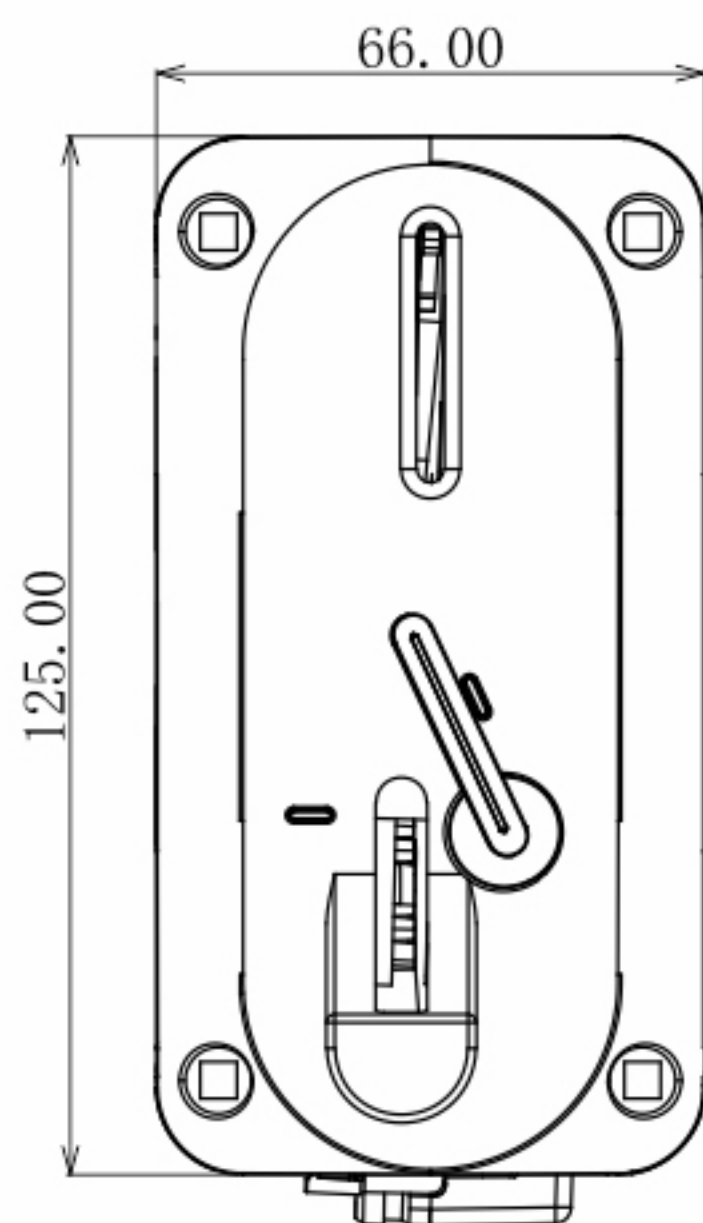
二、产品特点

- 1.独特光学设计透射技术,智能灯光故障提供功能。
- 2.多币值功能,出厂默认3组种币种,最高可设定8组(如需8组,联系厂家定制)
- 3.数码化设定及显示,方便设定。
- 4.开机自检提示声,钓鱼报警。
- 5.记忆存储功能,一次设定永不丢失
- 6.特设10级档位精度调节。0-9 F0放宽, F9最精准
- 7.比例调节功能,可设定一币多分或多币1分,(比值高达1: 100)。
- 8.禁能功能:自由切换。高/低电平禁能(需定制)
- 9.串口输出功能(需定制)

三、产品结构部件图：（图片仅供参考，请以实物为准）



四、产品参数



五、产品结构部件功能描述(如下表):

序号	部位名称	功能描述	出厂值
①	设定按键	长按3秒 进入设置状态	
②	电源插座	12V电源线.coin信号线.GND.码表	
③	Coin信号极性输出开关SW1	调整COIN信号输出极性NO/常开 NC常闭	常开
④	Coin信号时间开关SW2	调整COIN信号输出脉宽时间(快25MS,中50MS,慢100MS)	中
⑤	禁能线插座	高电平禁能/低电平禁能	低
⑥	出币口	真币最终出口	
⑦	2位八字管	数码显示及提示	
⑧	按键+	移动/选项	
⑨	按键-	移动/选项	
⑩	投币口	投币入口	
⑪	面板拨手	卡币时往下拨动使卡住的币退出	
⑫	假币出口		
⑬	红灯指示	假币故障:红灯闪烁 钓鱼故障:红灯同步闪烁	
⑭	白/红灯指示	待机状态:白灯常亮 投币状态:闪烁 故障状态:不亮/红灯闪烁	

六、数码管显示说明(如下表): (1)

状 态	数码管	显示说明	注： 调节精度选项必须从设置比例C后按设定/确定键进入F精度选项。 如：（A1-C1-05-F0） 1组样币-比例设定1币5分-最宽 (0.2.-2.0.) 2-20币1分
待机状态		待机状态	
设定样币状态		样币设定	
		1组样币设定	
设定比例状态		比例设定	
		1组样币比例设定	
		1组样币比例1币5分	
		1组样币比例1币100分	
		1组样币比例20币1分	

注：进入精度选项，必须进入菜单比例C设置比例后按设定/确定键后才能进入对应的精度选项

状 态	数码管	显示说明
精度状态		精度调节 F0-F9 F0最宽，F4正常 F9最严
设定样币 删除状态		删除设定
		1组样币设定数据删除
		所有样币设定数据删除
禁能设定状态		设置禁能状态
		高电平禁能
		低电平禁能

(2)

状 态	故障代码	故障说明	处理方法
故障 状态 显示		光敏1故障	清除光敏1发射/接收的遮挡物
		光敏2故障	清除光敏2发射/接收的遮挡物
		光敏3故障	清除光敏3发射/接收的遮挡物
		磁芯断线/错误	磁芯断线/烧坏，返厂维修
		中光敏错误	清除中光敏发射/接收的遮挡物
		下光敏错误	清除下光敏发射/接收的遮挡物
		设定键错误	设定键失效，返厂维修
		“+” 按键错误	“+” 按键失效，返厂维修
		“-” 按键错误	“-” 按键失效，返厂维修
		禁能信号错误	高/低电平没有接收到电平信号
		通信错误	单片机内部错误，返厂维修
		钓鱼报警	钓鱼报警提示，（蜂鸣器连响）6秒后自动复位

七、使用说明(如下表):

安装 使用	1.配合机台规格, SW1 NO (常开) /NC (常闭) 作为有效的输出信号
	2.如果过币不顺, 按设定C-比例设定-F精度调节.调节范围F0-F9 F0最宽, F9最严
	3.配合主板需要, 切换coin时间按键SW2(快档20MS/中档40MS/慢档100MS)。快档及中档适用于一般机台, 慢档适用于大型娱乐机台.
	若机台支持禁能投币功能, 请将机台禁能信号线接上投币的禁能端并设置菜单选项IN切换成配合机台极性信号高电平HI/低电平Lo.
设定 方法	1.通电后, 按设定键3秒进入设定菜单, 面板出现红灯同步闪烁后, 进去设置菜单。
	2.A是样币设定, 选择后出现A1-A8分别是8组不同样币设定
	3.选择后, 如A1, 直接依次投20次样币进行样币识别。完成20次后, 蜂鸣器连响2声即设定完成。
	4.样币设定后, 菜单选择C比例设定进入比例调试, 如C1,按设定键后会切换界面01即1币1分。可以按“+” / “-” 把数字更改。如05即1币5分。如果按到A0, 即1币100分, 按到2.0., 多币一分, 即20币1分。0.5.即5币1分。
	5.比例设定完成后, 按设定键进入样币精度调节。F0是最宽 F4正常F9最严。选择后, 再按设定按键完成设置。
	6.如果设置错误, 可以进入设置菜单。按“+” 按键/按“-” 按键选到d. d1-d8是删除对应的样币设定。AL即全部样币设定数据删除。
校正	如果计分不准, 拨SW2调节脉宽时间。若投币不顺, 请调节精度或按设定按键进入菜单A重新设定样币。

八、接线说明:



禁止功能

禁能信号 — 黄色

禁能地线 — 黑色

※ 注: 请将本说明书放在机台内, 方便使用者更清楚了解使用方法。

本说明书最终解释权归广州通利动漫科技有限公司所有

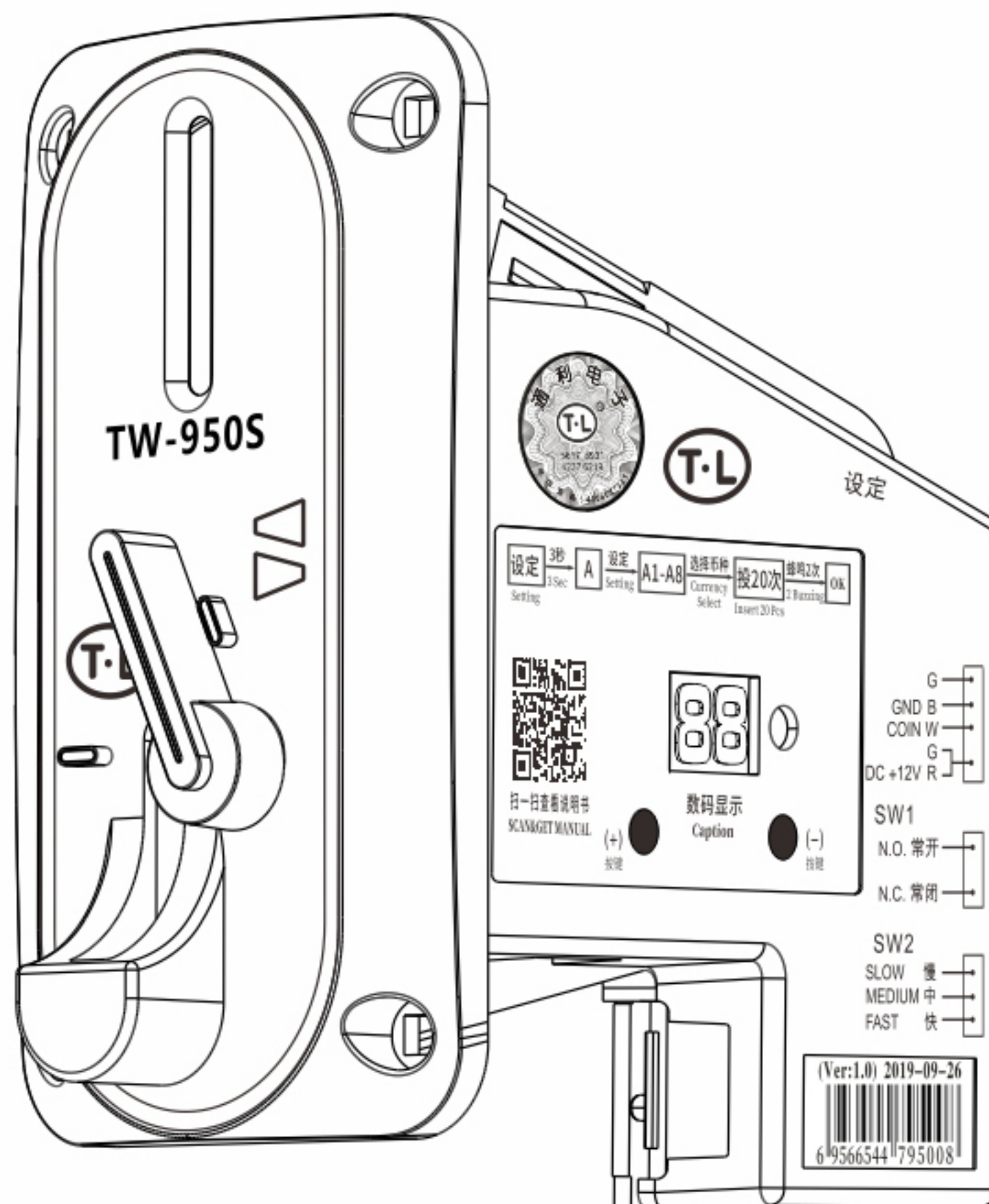
地址: 广州市番禺区东环街迎星东路143号星力动漫产业园H19号

官方网址: www.tonglianimation.com



TONG LI
Founded in 1991

User Guide



TW-950S (Lateral type)

- Thanks for your purchasing
- Please read carefully before using this Manual

1. Product specification:

Temperature: $-15^{\circ}\text{C}\sim+50^{\circ}\text{C}$

Coin Diameter: $\Phi 22\text{mm}\sim 29\text{mm}$

Coin Thickness: $1.7\text{mm}\sim 2.75\text{mm}$

Input: $\text{DC}+12\text{V}\pm 10\%$

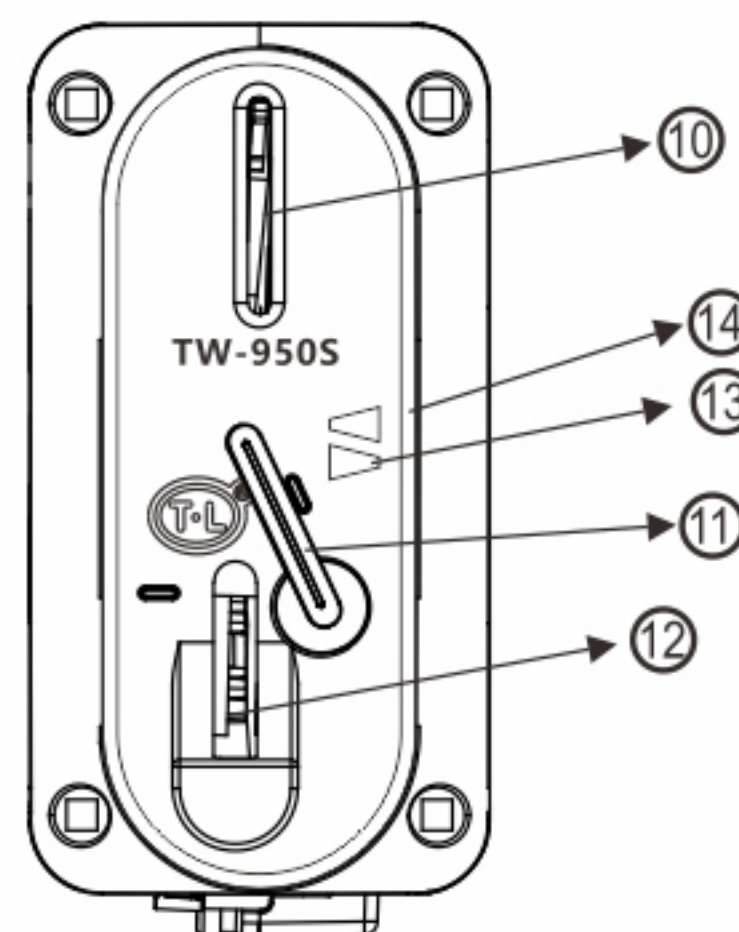
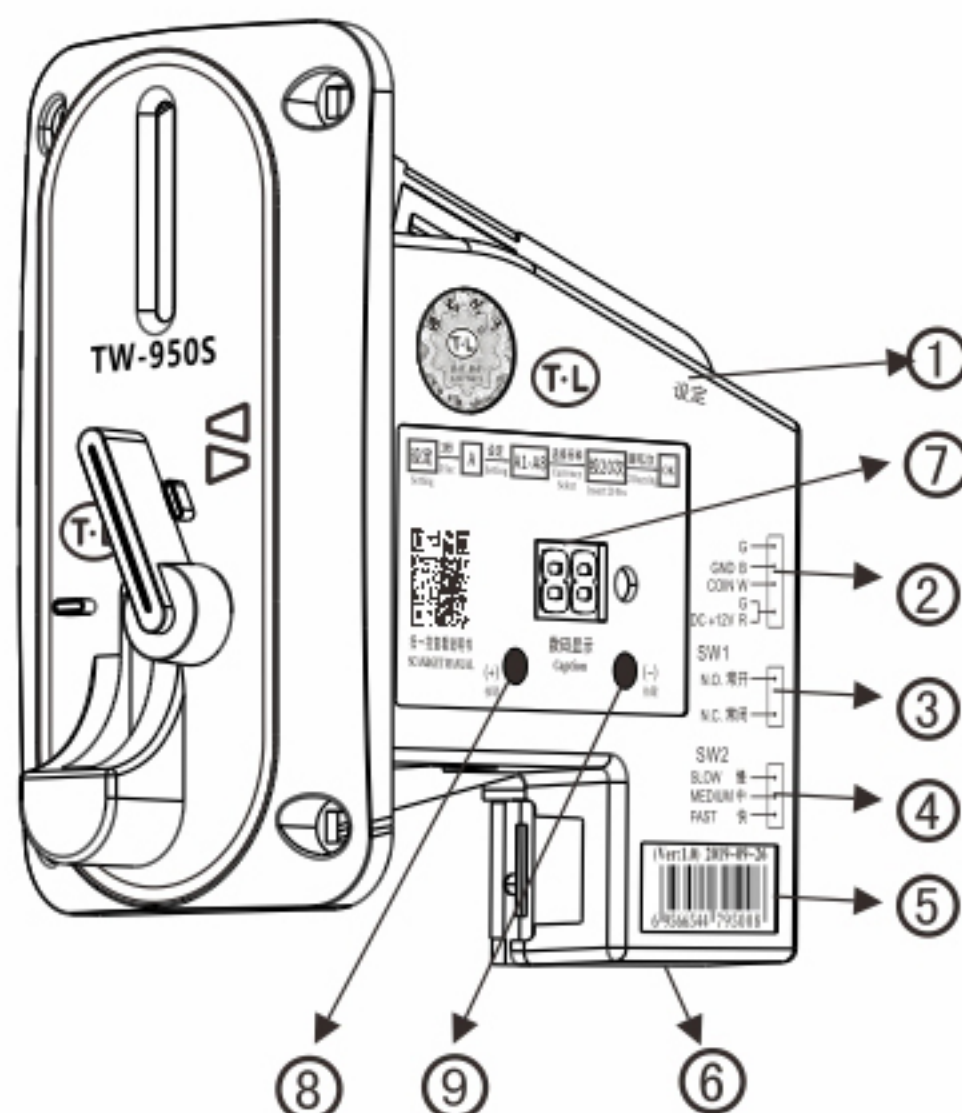
Current: $260\text{mA}\sim 650\text{mA}\pm 10\%$

2. Product characteristics:

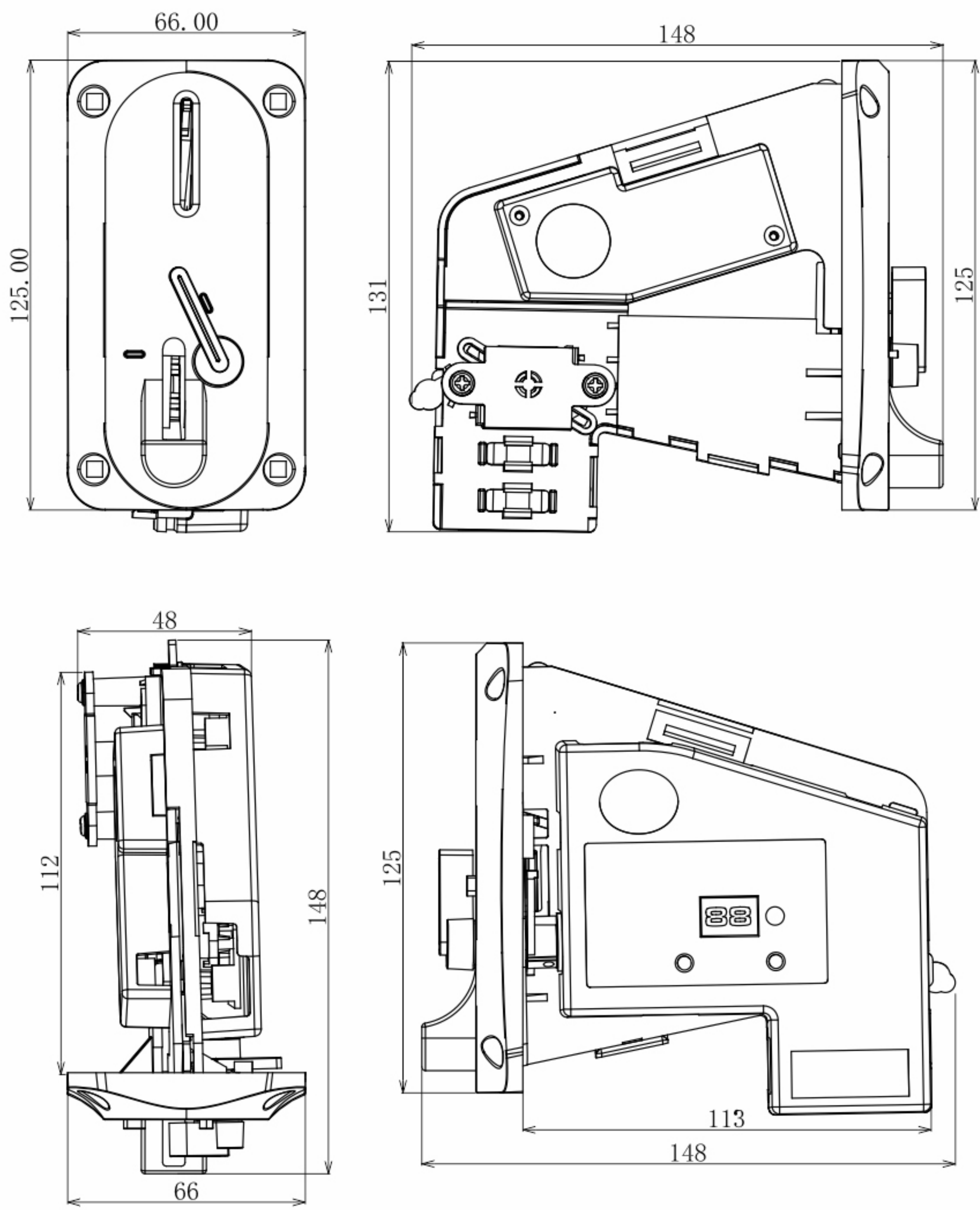
1. Unique optical transmission technology, smart light fault alert function
2. Muti coin function, max setting 8 groups of sample coins.
(Standard version can set 3 groups only, more groups need to be customized.)
3. Digital setting and display.
4. Power on self-test audio prompt,fishing alert.
5. Memory function,never change once setting.
6. 10 level precision for adjustment.0-9 F0 is Loose,F9 is max precise.
7. Ratio adjustment function,set 1 coin: multi credit or multi coins :1credit,(Ratio MAX 1:100).
8. Forbidden function:Free switch.High/low electrical level forbidden function(Optional)
9. Serial port output function(Optional)

3. Product components view:

(Remark: Photos are for reference only;
detail information is accord with final product)



4.Product specifications



5. Product components functional description:

No.	Parts name	Description	Factory default
①	Setting button	Hold&press 3sec and enter to setting status.	
②	Power socket	12V Power supply wire,coin signal wire,GND,Counter	
③	Coin signal polarity output switch SW1	Adjust COIN signal polarity output NO/Normal Open NC/Normal Close	Normal Open
④	Coin signal polarity output switch SW2	Adjust COIN signal output pulse width (Fast 25ms,Medium 50ms,Slow 100ms)	Medium
⑤	Inhibit function line socket	High level inhibit function/Low level inhibit function	Low
⑥	Coin outlet	Real coin final outlet	
⑦	2digits digital display	Digital display and hint	
⑧	Button+	Move/Choose	
⑨	Button-	Move/Choose	
⑩	Coin slot	Coin slot	
⑪	Panel plectrum	Toggle it to down when the coin is blocked.	
⑫	Fake coin outlet		
⑬	Red light indicates	Fake coin trouble:Flashing Fishing trouble:Red light are synchronous flashing.	
⑭	White/Red light indicates	Ready status:White Light always be on. Insert coin status:Flash Trouble status:No light /Flashing	

6. Digital tube display introduction (as following diagram):(1)

Status	Digital display	Display Introduction	Remark: Adjust precision option must press set button after setting ratio/confirm button enter to F precise option. Example:(A1-C1-05-F0) 1 group proof coin-Ratio setting 1coin:5credit-Max width. 0.2. (2 coin : 1 credit) – 2.0. (20 coin :1 credit)
Ready status		Ready status	
Setting proof coin status		Proof coin setting	
		Setting 1group proof coin.	
Setting ratio status		Ratio setting	
		Setting 1 group proof coin ratio.	
		Setting 1 group proof coin ratio 1coin:5credit.	
		Setting 1 group proof coin ratio 1coin:100credit.	
		Setting 1 group proof coin ratio 20 coin: 1credit.	

Remark: Entering precision option must setting ratio in menu ratio C, then press setting/confirm button enter to precise option.

Status	Digital display	Display Introduction
Precision Status		Precision regulation F0–F9, F0/MGN, F4/NOM, F9/MAX
Delete Sample Coin Status		Delete setting
		Delete one group sample coin setting.
		Delete all settings
Inhibit Function Setting Status (Specialized program)		Set the inhibit status
		High level inhibit function
		Low level inhibit function

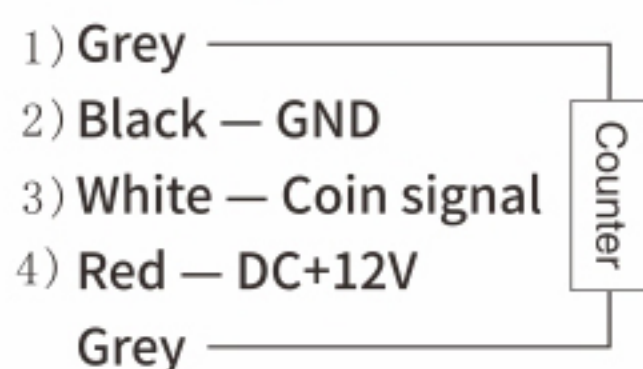
(2)

Status	Error Code	Description	Solutions
Error Status		Sensor 1 error	Remove and clean the cover from sensor 1 launcher/receiver
		Sensor 2 error	Remove and clean the cover from sensor 2 launcher/receiver
		Sensor 3 error	Remove and clean the cover from sensor 3 launcher/receiver
		Magnetic bobbin core broken/ error	Magnetic bobbin core broken, send back for repairing
		Medium sensor error	Remove and clean the cover from medium sensor launcher/receiver
		Below sensor error	Remove and clean the cover from below sensor launcher/receiver
		Setting button error	Setting button error, send back for repairing
		+ button error	+ button error, send back for repairing
		– button error	– button error, send back for repairing
		Inhibit signal error	High level/ low level didn't receive any signal
		Communication error	Single chip internal error, send back for repairing
		Fishing alarm	Fishing alarm, the buzzer keep buzzing for 6s and auto reset

7. Using instruction(as following diagram) :

Installation	1. Choose SW1 N.O or N.C as effective output signal line according to the machine specification.
	2. If inserting coins is not smoothly, press setting ratio C- set ratio- precision adjust F, precision regulation F0-F9, F0/MGN, F4/NOM, F9/MAX
	3. Changing COIN time switch SW2(FAST/20ms, Medium/40ms, Slow/100ms) according to the main board. Fast and medium normally are suitable for common game machine, slow is for amusement machine.
	If game machine has inhibit function, please connect the machine inhibit line with coin acceptor inhibit line, and change the menu option IN into High level HI / Low level Lo to match the polar signal of machine.
Setting Instructions	1. When power on, press setting button for 3 secs. You can successfully enter setting menu after red LED light are flashing.
	2. Choose A for sample coins setting, and it shows A1-A8 for setting 8 different groups of sample coins separately.
	3. For example, setting A1, inserting sample coin for 20 times for program identification. After that, the buzzer will buzz twice and accomplish setting.
	4. After finish program identification, choose C in menu to enter ratio adjustment. For example, setting C1, after press setting button, it will display 01, which means 1 coin 1 credit. Press +/- button to change value. For example, 05 means 1 coin 5 credits; A0 means 1 coin 100 credits; 2.0. means 20 coins 1 credit; 0.5. means 5 coins 1 credit.
	5. After setting ratio, press setting button into precision adjustment, F0/MGN, F4/NOM, F9/MAX. Choose the precision, then press setting button and accomplish setting.
	6. If there is any mistaken setting, enter the setting menu, press + button or - button to choose d, d1-d8 is setting the corresponding sample coin setting. AL means delete all settings.
Verification	When credits are incorrect, adjust the SW2 to adjust pulse time. If inserting coins is not smoothly, adjust the precision or press setting button to enter menu A and reset sample coin.

8. Wiring:



Inhibit Function

Inhibit Signal – Yellow

Inhibit GND – Black

Remark: In order to be more convenient for user to know how to use, please put this manual into game machine.

GUANGZHOU TONGLI ANIMATION TECHNOLOGY CO., LTD.

Add: H19 Startoon City, Yingxing Road, Donghuan Street, PanYu District, Guangzhou, China

Contact:(+86)20-23885899 Official Website:www.tonglianimation.com