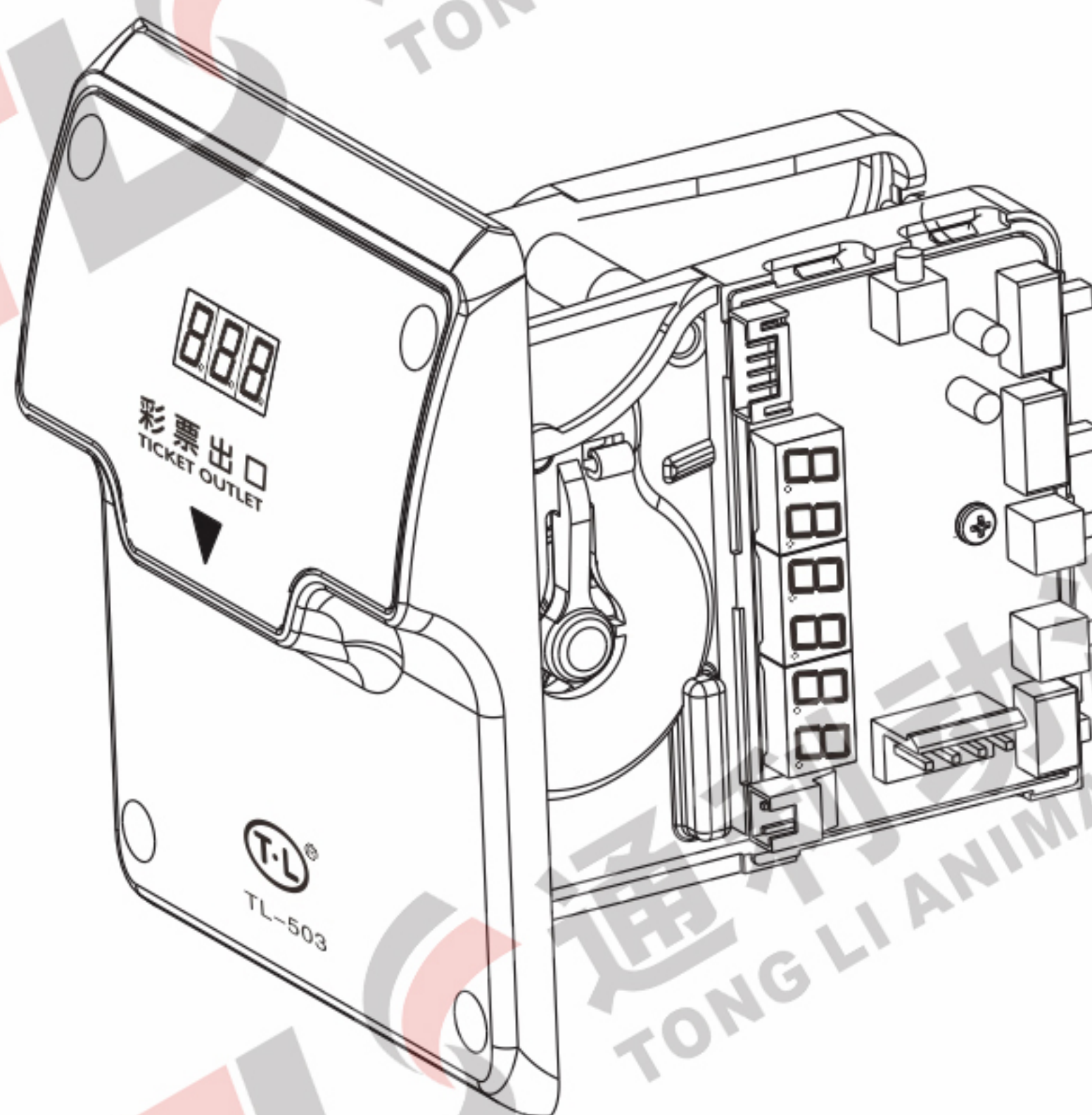


用户指南

Revision: 17-05-05



TL-503

注：如需环保产品需另行订购

- 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: $-15^{\circ}\text{C} \sim +50^{\circ}\text{C}$ 工作电流: $60\text{mA} \pm 5\% \sim 1.5\text{A} \pm 10\%$

二、产品特点:

1. 采用高速智能芯片，首创将出票器、介面卡、码表功能融合一体。
2. 长、短彩票自动识别，出票快速准确。
3. 利用轻触开关设定、查询、调整分票比例，操作简洁方便。
4. 多分一票或一分多票模式，分与票比例1--250间任意连续调整。
5. 面板上数码管显示当前余票/余分，卡票、无票时显示提示信息。
6. 自带6位数码管码表。
7. 具有断电记忆保存功能，断电时保存当前余票/余分和码表值。
8. 票道采用可拆卸方式，全面解决卡票清理问题。
9. 内置防电磁、电机干扰程序和内置刹车杜绝拉票。
10. 电机正反开关，操作更方便。彩票/代币模式开关，可在出票和代币之间切换。

三、工作模式操作说明:

1. 根据当前机台需要，调整输入极性开关（SW2）、输出极性开关（SW3）。
2. 连接电源线通电，根据需要设定分与票比例（见设定模式操作说明）。
3. 将彩票插入票道，按下装票键，彩票自动装入出票器。
4. 出票时面板数码管显示当前要出的票数或出票器内分数，码表值随着出票而递增。
5. 若需查看当前分与票比例，短按（短时间按下又松开）查询/设定键，分票比例值显示在6位数码管上。
6. 若出票器无票时面板上闪烁显示 **E-1** 提示，卡票时面板上闪烁显示 **E-2** 提示。

四、设定模式操作说明:

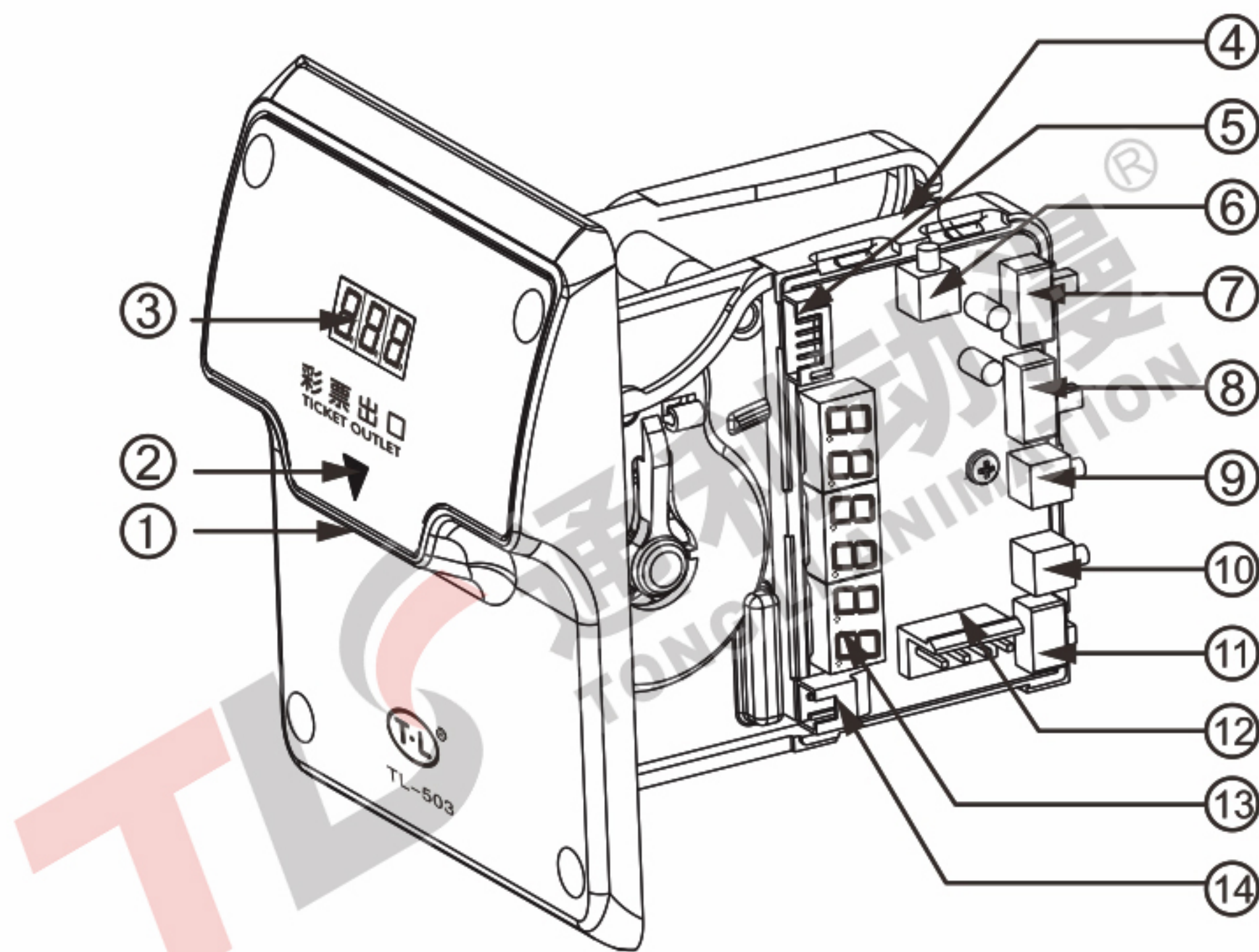
- 1. 连接电源线通电。
- 2. 长按3秒设定/查询键 (SW1), 此时码表数码管将显示**002-01**(2分1票)
前面**002**分数闪动, 按+1键、-1键, 调整多分一票的比例值。
- 3. 若要切换为多分一票模式, 短按设定/查询键, 显示**01-001**(1分1票),
前面**01-**表示分数, 后面**001**表示票数且闪动, 按加1键、减1键, 可调整1分多票的比例值。
- 4. 调整好分/票比例值, 再次长按3秒设定/查询键, 便退出设定模式。6位数码管回到码表显示, 面板数码管显示**000**。

*注: (最高比值:1:250, 出厂默认值为:1:1)
在设定环境下, 短按设定/查询键可以在一分多票模式、多分一票模式间轮回切换。

五、数码管显示说明

		数码管显示		显示说明
面板 数码管 (3位)	多分一票模式			出票器内余下5分
	一分多票模式			出票器内有15张短票要出
				出票器内有15张长票要出
板上码表 数码管 (6位)				码表值显示:12300, 即出票器共出票12300张
	在设定环境下 多分一票模式	分数 (闪)	票数	分票比例为10分1票
	在设定环境下 一分多票模式	分数	票数 (闪)	分票比例为1分5票

六、产品结构部件说明(如图示和下表:)



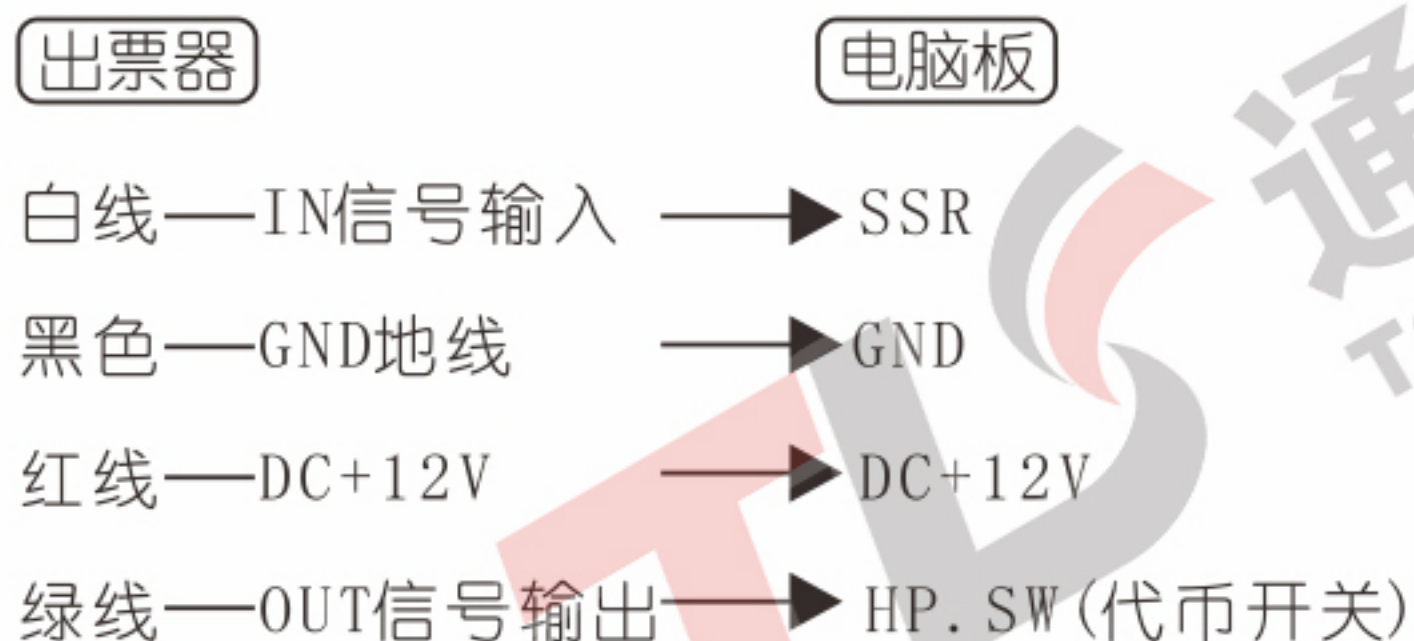
序号	部件名称	功能描述	出厂默认值
1	出票口	彩票出口	
2	面板灯	出票时灯点亮(注:正常工作状态)	
3	面板灯数码管	显示当前出票器的票数/分数 错误代码提示,无票: <i>E-1</i> ,卡票: <i>E-2</i>	
4	票道入口	彩票进口,增加活动式塑料拉片,使用更方便, 注意:活动拉片一定要推到位	
5	面板灯、 数码管插座(J3)	面板灯、数码管插座	
6	设定/查询按键(SW1)	1.长按此键可以进入/退出设定状态。2.在工作 状态时按此键可以查询出票器当前分票比例值。	
7	输入极性开关(SW2)	调节SSR有效高电平或低电平	L低电平
8	输出极性开关(SW3)	调整信号输出极性为常开或常闭(N. C. /N. O.)	常闭(N. C.)
9	正转/加1按键(SW4)	装票时,按此键实现装票。 设定状态时,按此键实现分票比值加1	
10	反转/减1按键(SW5)	需要倒退票、清除卡票时按此键。 设定状态时,按此键实现分票比值减1	
11	彩票/代币模式 切换开关(SW6)	彩票档:禁止代币,允许退票。 代币档:禁止退票,允许代币。	彩票档
12	出票器电源插座 (J1)	与机台连接,提供出票器电源,SSR及返回机台彩票信号。	
13	6位数码管码表	记录出票器累计出票数量	
14	代币接口 (J2)	接代币小卡的SSR、马达电眼.(在代币模式下使用)	

七、常见故障及解决方法(如下表:)

序号	故障现象	解决方法
1	开机时自动出票	1. 调整输入极性开关 (SW2) 2. 出票器接线是否正确
2	电脑板死机	1. 调整输出极性开关 (SW3) 2. 彩票/代币模式开关拨向彩票档
3	出现无票提示 <i>E-1</i>	1. 出票器无票, 请装票
4	出现卡票提示 <i>E-2</i>	1. 活动导票塑料拉片是否推到位 2. 透明票道上光眼反光片有灰尘, 清理票道 3. 出票器内卡票
5	出票数量不对	1. 调整输出极性开关 (SW3) 2. 出票器接线是否正确 3. 检查分票比例的设定值 4. 出票器信号输出形式是0. C, 电脑板要接上拉电阻
6	只出票不消分	1. 彩票/代币模式开关拨向彩票档 2. 调整输出极性开关 3. 出票器接线是否正确
7	彩票模式下出票同时又代币	1. 彩票/代币模式开关拨向彩票档 2. 检查电脑板、代币小卡、代币马达的接线是否正确
8	代币模式时代币不正确	1. 彩票/代币模式开关拨向代币档 2. 检查代币接口接线是否正确 3. 检查电脑板、代币小卡、代币马达接线是否正确 4. 代币马达电眼是否损坏
9	进不了设定状态	1. 出票器有余票没有出完, 此时存在无票或卡票现象。需要补票或清除卡票

八、接线说明(如下:)

引脚(J1)说明:



引脚(J2)说明:



※ 注: 1. 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。



官方网址: www.tongliananimation.com

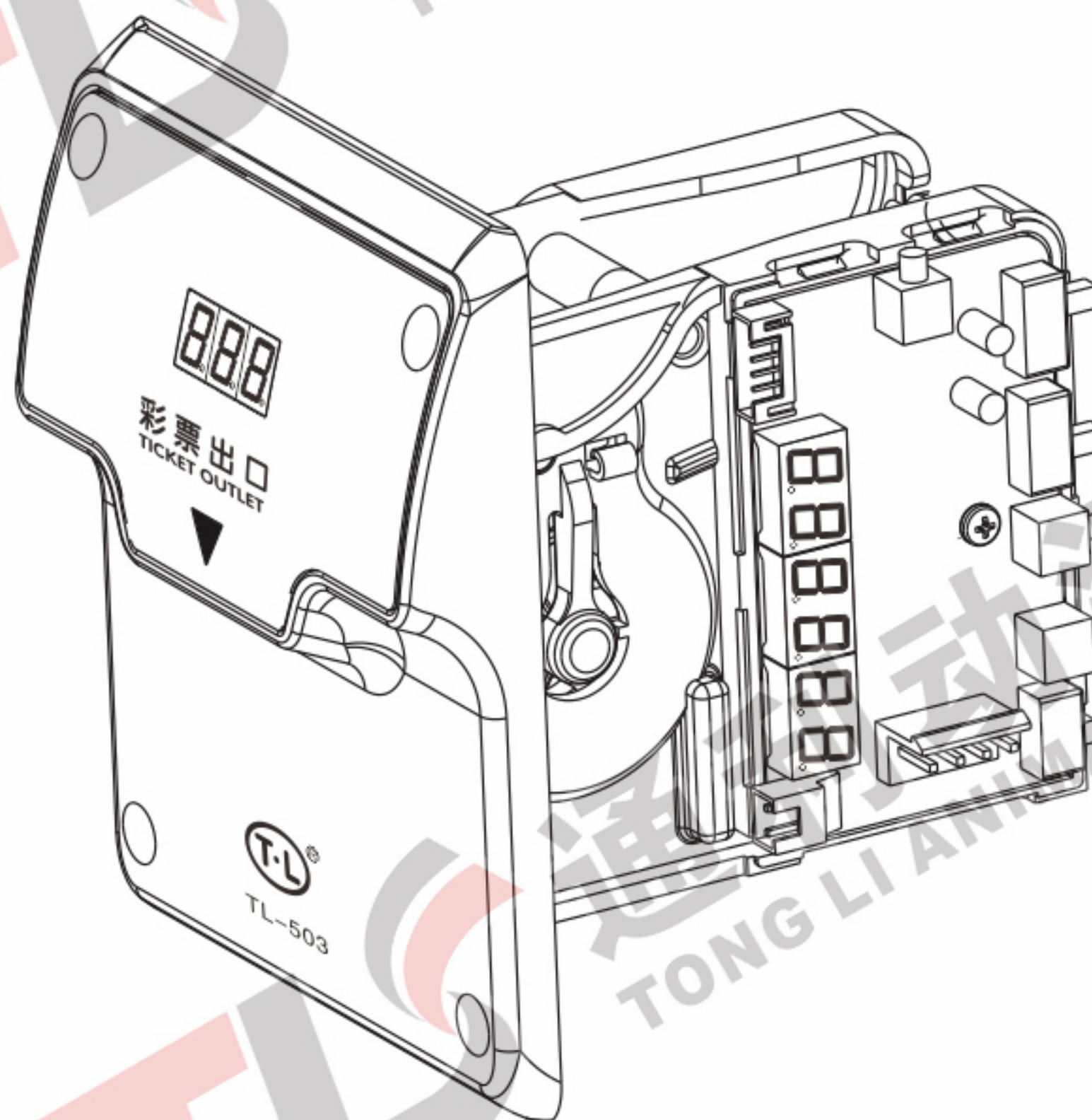


制造商: 广州通利动漫科技有限公司

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User Guide

Revision: 17-05-05



TL-503

Remark: CE and Rohs certified models are optional.

- **Thanks for your shopping**
- **Please read the user's manual before use**

1. Product specification:

Working temperature: $-15^{\circ}\text{C}\sim+50^{\circ}\text{C}$ working current: $60\text{mA} \pm 5\% \sim 1.5\text{A} \pm 10\%$

2. Product characteristics:

- 1.Using high speed intelligent chip, the functions of ticket dispenser, interface card and counter are integrated.
- 2.Auto-Identification the long and short ticket, ticket out fast.
- 3.Set, query and adjusting ticket proportion by touching switch, simple and convenient operation.
- 4.Points a ticket or a point tickets mode, adjusting 1-250 proportion between point and ticket continuously.
- 5.The digital tube of panel display current surplus tickets/ surplus points. It will display and point out during jamming tickets and no tickets.
- 6.Six digital tube counter
- 7.Function of memory when power off, it will keep current surplus tickets/ surplus points and value of counter when power off.
- 8.Detachable coin groove can solve the problem of cleaning jammed coins.
- 9.Built-in program for anti-EMI (electromagnetic interference) and motor, built-in brake prevent from pulling ticket.
- 10.Forward and Reverse switch of hopper are simple to operate it. Ticket/return coins mode switch can be changed between ticket out or return coins mode.

3. Working mode operation instruction :

- 1.Adjust SW2 input polarity, SW3 output polarity switch according to the requirement of used machine.
- 2.Connect power cord to power on, set the proportion between points and tickets according to the requirement (Refer to set mode operation instruction).
- 3.Insert the ticket in the groove, press installing ticket button, and the ticket will be installed in the ticket dispenser automatically.
- 4.Digital tube of panel display current quantity of ticket out or points in ticket dispenser when ticket out, counter value will be increased by ticket out.
- 5.If you need to check current proportion of points and tickets, short press Query /Set button (A short press and release it), six digital tube will display the proportion of tickets and points.
- 6.Panel will flash **E-1** tips when there are no tickets in ticket dispenser, panel will flash **E-2** tips when there are jamming tickets.

4.Setting mode operation instruction:

- 1.Connect power cord to power on.
- 2.Long press SW1 Set/Query button in three seconds, digital tube of counter will display **002-01** (Two points one ticket), front **002** points flash, press +1 button, -1 button to adjust points one ticket proportion value.
- 3.If you want to change to be points one ticket mode, short press Set/Query button, it will display **01-001** (one point one ticket), front **01** - indicate points, back **001** indicate tickets and flash, press +1 button, -1 button to adjust one point tickets proportion value.
4. Adjust point/ticket proportion value, then long press Set/Query button in three seconds, that you can exit the set mode. Six digital tube of counter on panel will display **000**.

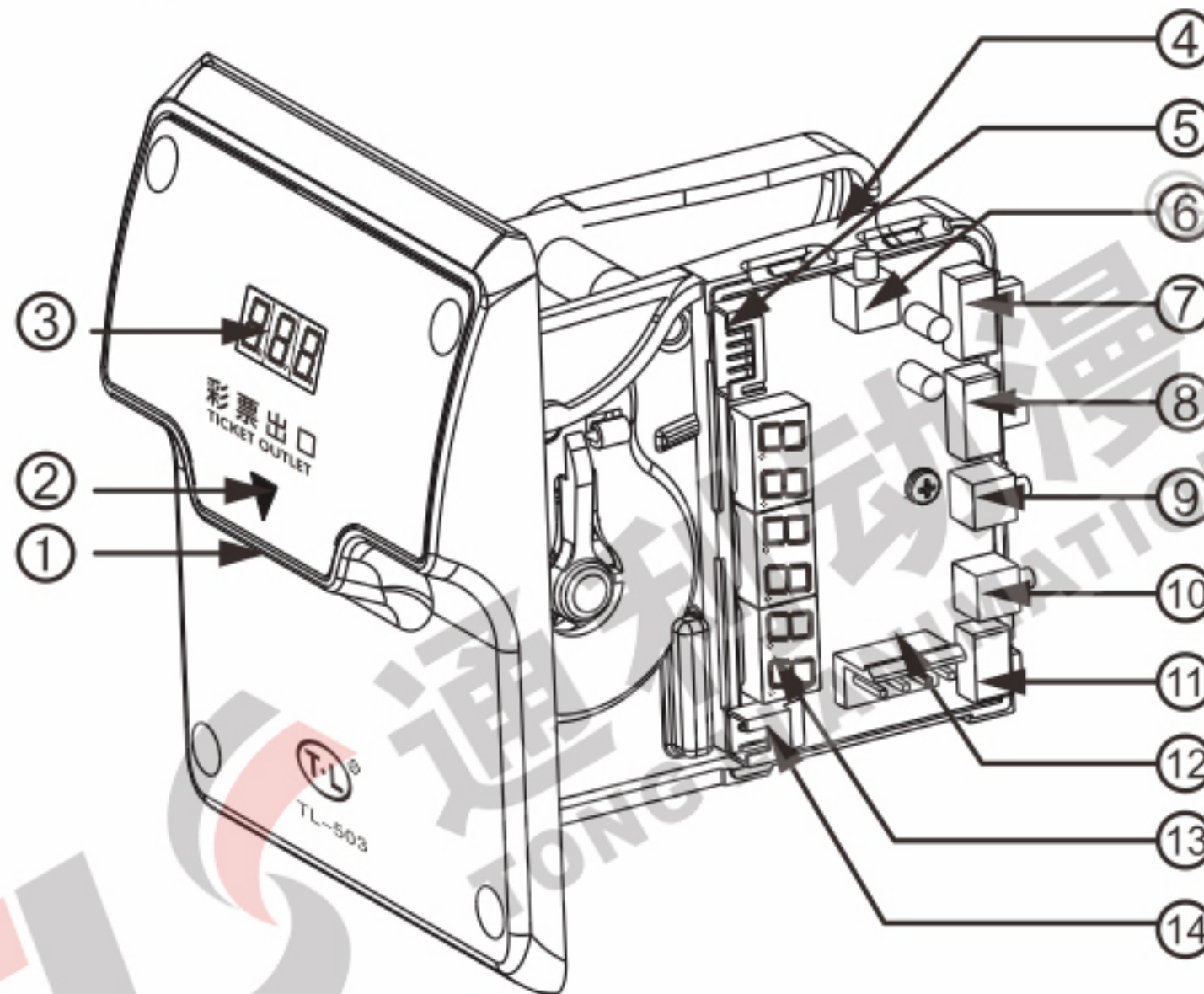
Remark: (The highest proportion value: 1:250, Factory Default: 1:1)

You can exchange between one point tickets and points one ticket mode, when you do short press Set/Query button in setting environment.

5.Digital tube instruction:

		Digital tube display		Display instruction
Digital tube of panel(3)	Points one ticket mode			5 points are surplus in ticket dispenser
	One point tickets mode			15pcs short tickets out in ticket dispenser
				15pcs long tickets out in ticket dispenser
Digital tube of panel(6)				Counter value display:12300, it means that 12300pcs tickets out from ticket dispenser
	Points one ticket mode in setting environment	Points(Flash)	Tickets	Point ticket proportion is ten points one ticket
	One point tickets mode in setting environment	Points	Tickets(Flash)	Point ticket proportion is one point five tickets

6. Structure diagram:



NO.	Component name	Function description	Factory default
1	Ticket outlet	Ticket out	
2	Panel light	Light flash when ticket out(Remark: normal working status)	
3	Digital tube of panel light	Display current ticket and point of ticket dispenser Error code, no ticket: <i>E-1</i> , jamming tickets: <i>E-2</i>	
4	Ticket entrance	Tickets install entrance, adding movable plastic pull piece, convenient operation. Remark: movable pull piece must be pushed in place.	
5	Socket of panel light and digital tube(J3)	Socket of panel light and digital tube	
6	Set/Query button(SW1)	1. Long press this button to enter/exit set mode. 2. Press this button to query current proportion of point and ticket in working status	
7	Input polarity switch (SW2)	Adjust SSR efficient high level or low level	Low level
8	Output polarity switch (SW3)	Adjust signal output polarity N.O or N.C	N.C
9	Forward/add 1 press button(SW4)	when you need to install tickets. Press this button to realize that point and ticket value adds 1 in set status.	
10	Reverse/minus 1 press button(SW5)	Press this button to clean jammed tickets when you need to reverse tickets. Press this button to realize that point and ticket value minus 1 in set status.	
11	Ticket/return coins mode exchange switch(SW6)	Ticket mode: Forbid to return coins, allow to return tickets Return coins mode: Forbid to return tickets, allow to return coins	Ticket mode
12	Power socket of ticket dispenser(J1)	Connect to machine to power on ticket dispenser, SSR, and provide ticket signal.	
13	Six digital tube counter	Record total quantity of ticket out for ticket dispenser	
14	Return coins connector(J2)	Connect to SSR of return coins card, electric eyes of hopper. (Using in return coins mode)	

7.Common problems and solutions

Item	Normal fault	Method
1	Outlet ticket automatically	1.Adjust SW2 input polarity switch. 2.Macke sure ticket dispenser wire are in a right connection.
2	PC board power off	1.Adjust SW3 output polarity switch.2.Dial ticket/return coins mode switch to ticket mode.
3	Display no ticket $E-1$	No tickets in ticket dispenser, please install tickets.
4	Display jamming tickets $E-2$	1.Check whether movable plastic pull piece have been pushed in place. 2.There are ash at light eyes and reflector in transparent groove.3,There are jammed tickets in ticket dispenser.
5	Ticket out incorrectly	1.Adjust SW3 output polarity switch.2.Make sure ticket dispenser wire is in a right connection.3.Check set value of point and ticket proportion.4,Signal output of ticket dispenser is O.C,PC board should connect pull-up resistor.
6	Ticket out but no reducing scores	1.Dial ticket/return coins mode switch to ticket mode.2.Adjust output polarity switch.3,Make sure ticket dispenser wire is in a right connection.
7	Ticket out and return coins when ticket mode	1.Dial ticket/return coins mode switch to ticket mode. 2.Make sure PC board, return coins board, return coins hopper wire are in a right connection.
8	Return coins incorrectly when return coins	1.Dial ticket/return coins mode switch to return coins mode. 2.Make sure return coins connector are in a right connection. 3.Make sure PC board, return coins board, return coins hopper wire are in a right connection.4, Check whether electric eyes of hopper are good or not.
9	Can not enter set status	1.Some surplus tickets do not out in ticket dispenser, there are no tickets or jamming tickets, so you need to install tickets or clean jammed tickets.

8.Line connection manual

J1:

Ticket dispenser PC board

White line IN → SSR
 Black line GND → GND
 Red line +12V → DC+12V
 Green line OUT → HP.SW(coin out switch)

J2:

Ticket dispenser Coin out control panel

Yellow line → SSR
 Gray line → Motor (electric eye)

Remark: 1.In order to be more convenient for user to know how to use, please put this manual into game machine



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