Pick To Light System ----SETP_Label_V75

Pick to Light

E-commerce Warehouse



Intelligent <u>Ma</u>nufacturing

Intelligent Warehousing



Dalian Sertag Technology Co.,Ltd



Innovation Point

SPS拣配单 sts(Set-Fart-Supply) Fiching Notice						RLW221104831689		
1	電单号 BLB22110 料区域 前内饰右 型・配置 TBL11A2			D WW 318866	\$1608	CSW: ¥A2302 1919: 2023-0	8922 2-14 11:31:	11
序号	零件号	苯件名称	教型	排配工位	库位地址	线边工位	料车地址	VINE;
1	3090650386	安全带高度调整器	1	1	TB-R-A1-02	TB11E	16	318866
2	3090708603	风窗洗澡壶加注管	1	1	TB-R-A1-03	TB60L	24	318866
3	3090708613	前排右側安全带总成	1	1	TB-R-A1-06	TB46E	21	318866
4	3092068543	空调右8柱地板风道	1	1	TB-R-A1-08	TB48E	3	318866
5	3090575402	风道温度传感器	1	1	TB-R-A2-02	TB48E	15	318866
6	3090678218	高音喇叭	1	1	TB-R-A2-03	TB52L	9	318866
7	2330325968	音频模块	1	1	TB-R-A2-04	TB54E	33	318866
8	2330325228	第二排座椅右側安全带总成	1	1	TB-R-A2-05	TB46E	21	318866
9	3090648128	空调支撑架	1	1	TB-8-A2-06	TB17E	19	318866
10	3090734015	天窗右前排水管总成	1	1	TB-R-A2-08	TB29E	4~1	318866
11	3092183271	隔热垫安装支架本体	1	1	TB-R-A2-09	TB16E	31	318866
12	3090688669	戰风水管支架	1	1	TB-R-B1-01	TB46L	32	318866
13	3090703463	膨胀水臺支架	1	1	TB-R-B1-02	TB49E	28	318866
14	3092081426	変速箱垫片	1	1	TB-R-B1-08	TB52R	36	318866
15	3092068545	空调右8柱对接风道	1	1	TB-R-B1-09	TB48E	3-2	318866
16.	3090663119	格迪c线	1	1	TB-R-B2-03	TB18L	15	318866

- 7.5 inch e-ink screen display
- Wireless communication
- 800x480 dot matrix screen
- Polymer batteries last a year on a

single charge

DIY interface supports

text/barcode/QR code

Ultra-low power consumption



Summary of picking system

The electronic label picking system is a logistics auxiliary operation system developed using advanced electronic technology and communication technology. It is usually used in the sorting process of warehousing or modern logistics centers. It has the characteristics of fast picking speed, high efficiency, low error rate and paperless, standardized operating characteristics. As an advanced operating method, the electronic label-assisted picking system is more efficient when used in conjunction with a warehouse management system (WMS) or other logistics management systems.

The electronic label picking system is a set of electronic equipment installed on the shelf storage space. It is controlled by computers and software, and uses indicator lights or digital displays as auxiliary tools to guide pickers to complete their work correctly, quickly and easily.



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Electronic Pick Tag

Receive and analyze the data information sent by the router, make corresponding instructions, and click the button to complete the picking.

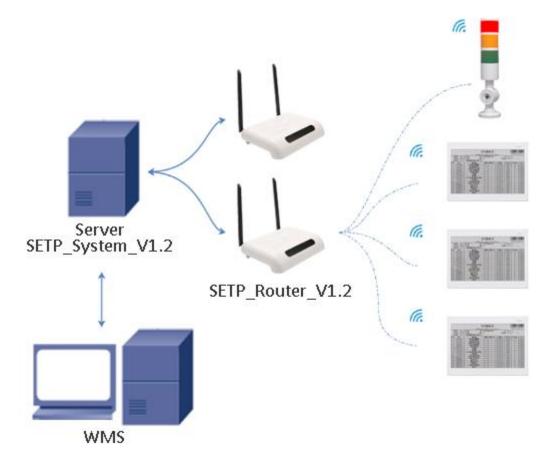
- 7.5 inch E-ink screen(black and white)
- The label ID code is displayed on the back
- Wireless communication 868M, frequency hopping communication
- Communication rate 200K/50K
- Covering a communication radius of more than 30 meters
- Resolution: 800*480
- Support character, bar code, two-dimensional code display
- Dimensions: 180*130*13mm
- Power supply: Polymer battery 3000mAh(Type-C interface charging)
- Custom two-way communication protocol, safe and reliable
- Screen display area: 163.2(H) * 97.92(V)
- Interface protocol: HTTP & Json

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11	8922 2-14 11:31:	CSN: FA23020 1间: 2023-03	\$1¢08	DHM318866			混单号 8L3022110 神区域 前内体右 翌+配置:TBL11A2	#
VINE	料车地址	线边工位	库位地址	排配工位	数型	零件名称	零件号	序号
31886	16	TBIIR	TB-R-A1-02	1	1	安全带高度调整器	3090650386	1
31886	24	TB60L	TB-R-A1-03	1	1	风窗洗澡壶加注管	3090708603	2
31886	21	TB46E	TB-R-A1-06	1	1	菌排右侧安全带总成	3090708613	3
31886	3	TB48E	TB-R-A1-08	1	1	空调右时主地板风道	3092068543	4
31886	15	TB48E	TB-R-A2-02	1	1	风道温度传感器	3090575402	5
31886	9	TB52L	TB-R-A2-03	1	1	高音喇叭	3090678218	6
31886	33	TB54B	TB-R-A2-04	1	1	音频模块	2330325968	7
31886	21	TB46E	TB-R-A2-05	1	1	第二排座椅右側安全带总成	2330325228	8
31886	19	TB17E	TB-8-A2-06	1	1	空调支探架	3090648128	9
31886	4-1	TB29E	TB-R-A2-08	1	1	天窗右前排水管总成	3090734015	10
31886	31	TB16E	TB-R-A2-09	1	1	隔热垫安装支架本体	3092183271	11
31886	32	TB46L	TB-R-81-01	1	1	赋风水管支架	3090688669	12
31886	28	TB49E	TB-R-B1-02	1	1	膨胀水壶支架	3090703463	13
31886	36	TB52B	TB-R-B1-08	1	1	变速箱垫片	3092081426	14
31886	3-2	TB48R	TB-R-B1-09	1	1	空调右时封接风道	3092068545	15
31886	15	TBISL	TB-R-82-03	1	1	格纳c组	3090663119	16

Model: SETP_Label_V75



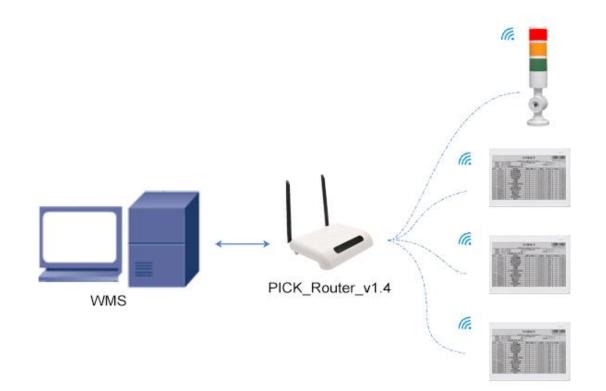
System Structure V1.2



The electronic label picking system sends instructions through a PC or scanner, forwards them through a router, and controls the LED lights or screens on the electronic labels to guide the pickers to accurately and quickly pick the corresponding goods at the designated location.



System Structure V1.4



Note: The V1.4 version of the base station has a built-in server program. Users only need to send operating instructions to the base station to realize data transfer, making it easier to use.



Power Supply Type

Built-in polymer lithium battery, capacity 3000mAh

Charging current: 5V 1A





Installation Method

1. Attach the support 2. Desktop stand













Physical Display

SPS拣配单 SPS(Set=Part=Supply) Picking M						RLW221104831689			
拼	料区域 前内饰右			088318866	CSN: FA23028922 打印时间: 2023-02-14 11:31:11				
枵	零件号	零件名称	数型	排配工位	库位地址	线边工位	料车地址	VI#号	
1	3090650386	安全带高度调整器	1	1	TB-R-A1-02	TB11E	16	318866	
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3	3090708613	前排右側安全带总成	1	1	TB-R-A1-06	TB46E	21	318866	
4	3092068543	空调右8柱地板风道	1	1	TB-R-A1-08	TB48E	3	318866	
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9	3090648128	空调支撑架	1	1	TB-8-A2-06	TB17E	19	318866	
10	3090734015	天窗右前排水管总成	1	1	TB-R-A2-08	TB29K	4~1	318866	
11	3092183271	辐热垫安装支架本体	1	1	TB-R-A2-09	TB16E	31	318866	
12	3090688669	戰风水管支架	1	1	TB-R-B1-01	TB46L	32	318866	
13	3090703463	膨胀水臺支架	1	1	TB-R-B1-02	TB49B	28	318866	
14	3092081426	资速箱垫片	1	1	TB-R-B1-08	TB52B	36	318866	
15	3092068545	空调右时封接风道	1	1	TB-R-B1-09	TB48R	3-2	318866	
16.	3090663119	拖地c线	1	1	TB-R-B2-03	TB18L	15	318866	



Front

Reverse side



Router

Receive the operation instructions issued by the PC, analyze them and then send them to the electronic tag through RF.

- Wireless communication distance 30m
- Wireless communication rate 200kbps
- Network communication rate 10/100 Mbps
- Custom two-way data communication protocol to ensure data transmission speed and accuracy
- There is no upper limit for covering electronic labels
- Supports synchronization of multiple routers
- Parallel communication, safe and fast
- Omnidirectional transmission, no dead ends
- Support online software upgrade
- Operating system: linux
- Supports POE power supply or external DC12V power supply



Tag controller

Model: SETP_Router_V1.2

The V1.2 base station has an independent routing function and needs to cooperate with the label server.

Model: SETP_Router_V1.4

The V1.4 version base station comes with its own server program and can directly accept instructions.



Tower Light with Buzzer

Wirelessly receive the data information sent by the router and analyze it, make corresponding instructions and cooperate with the picking lane prompts.

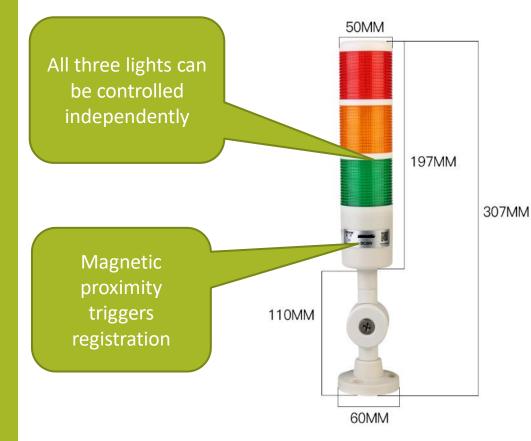
- Used with label picking
- All three lights (red, yellow and green) can be controlled independently
- Wireless communication 868M, frequency hopping communication
- Communication rate 50K
- Covering a communication radius of more than 30 meters
- Multi-color LED highlight indicator light
- 24V external DC power supply, maximum current <0.2A
- Built-in buzzer, controllable by command

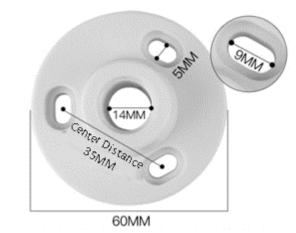


Tower Light with Buzzer Model: SETP_Label_V9



Tower Light with Buzzer







DC5.5 * 2.1 Power supply DC24V, <0.2A



Manual

Initial: Set the server and label parameters

Step 1: The customer sends the picking information to the label server

Step 2: The server parses the command requirements and wirelessly lights up the tunnel lights and tags

Step 3: Pick items according to the illuminated label and press the confirmation button to turn off the light, and the screen content is updated with the result after the operation.



System Functions

- Supports tag registration usage
- Single light lighting interface
- Light up in batches
- Light up result query
- Button feedback
- Tag inspection
- Tag inspection result query
- Support online software upgrade
- Large coverage radius, unlimited number of nodes
- Intelligent routing and transmission, sufficient communication tolerance
- Rich and complete management background, the status of each device is under control



Multifunctional Operation Interface

Through the background management interface, comprehensive management, control and operation of information are achieved.

- Multi-account management background
- Web-based software, you can remotely control tags by entering the URL
- Real-time viewing of base station and tag status
- Label display style template customization
- Import user product data table
- Quick screen refresh and lighting operations
- Simple docking interface (HTTP & Json)
- System software supports cloud and local private server deployment



Contact Information

Dalian Sertag Technology Co., Ltd

Experience the power of a solution that's uniquely yours. Let's collaborate and create a tailor-made pick to light system that transforms the way you work.

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- <u>www.lightpicksystems.com</u>

