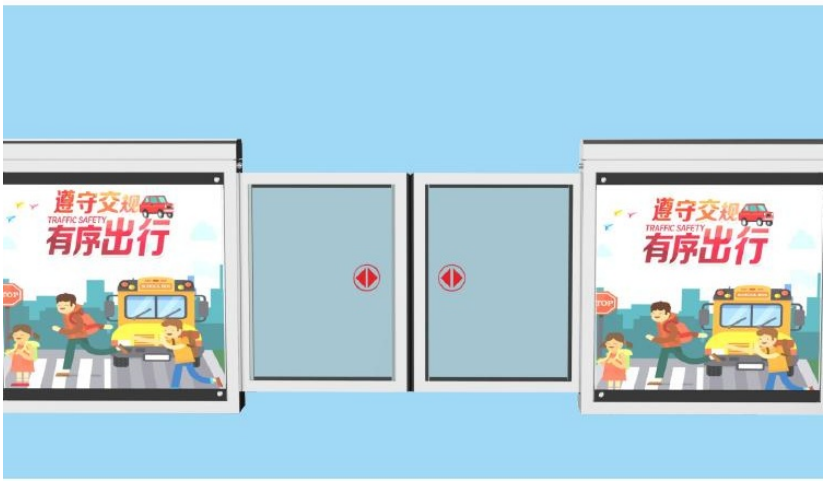
BAISEN ACCESS

PBM07-75

PEDESTRIAN BARRIER GATE

INSTALLATION, COMMISSIONING & USER MANUAL



Model PBM07-75 | 24V DC | IP54

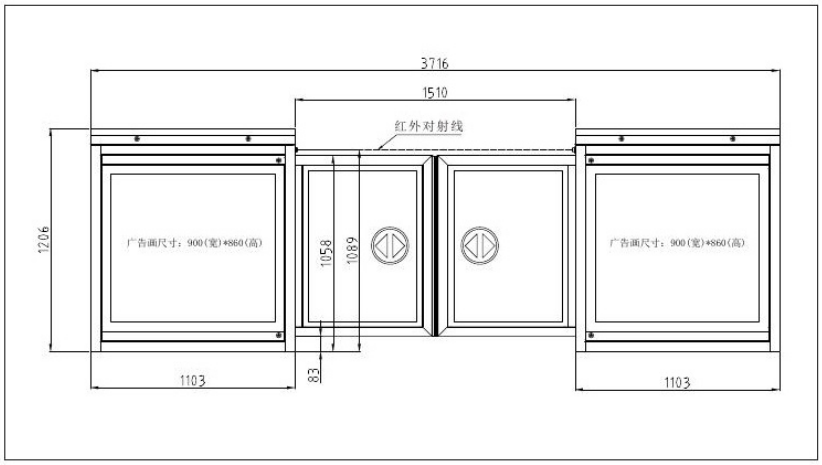
1. Safety Instructions

Installation and commissioning require qualified personnel. Keep small accessories away from children. Follow local electrical and safety regulations. Do not install in locations with severe vibration, high temperature, high humidity, flammable materials, explosive materials, conductive dust or corrosive gas. Disconnect power before opening a column. Do not modify the structure, controller or software. Install infrared anti-pinch protection and maintain a safe pedestrian zone.

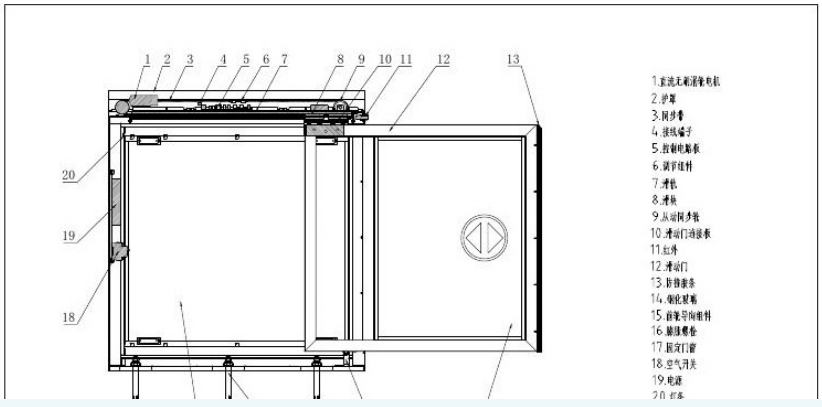
2. Dimensions & Structure

Reference overall size: 3716 mm long x 1206 mm high x 180 mm wide. Bottom of sliding panel to finished surface: 83 mm. Advertising insert size: 900 mm wide x 860 mm high on each side. The right-hand unit mirrors the left-hand unit with reversed installation direction. Confirm the delivered drawing before civil work.

1. 外形尺寸



2. 结构组成（右门结构跟左门结构相似，只是更改方向安装）



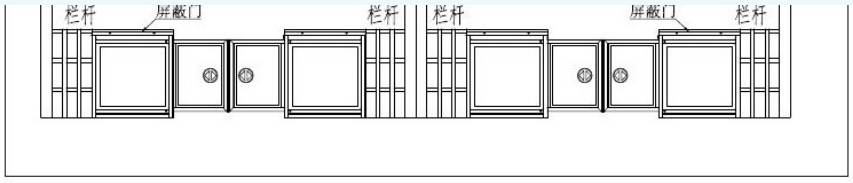
3. Functions & Technical Data

Simple structure and convenient operation. Integrated LED lighting supports double-sided advertising inserts. The 24V brushless DC drive provides adjustable 2.5-3.5 second opening, stable closing and synchronized paired operation. Infrared protection and obstacle return improve pedestrian safety. Lighting supports remote switching and schedules.

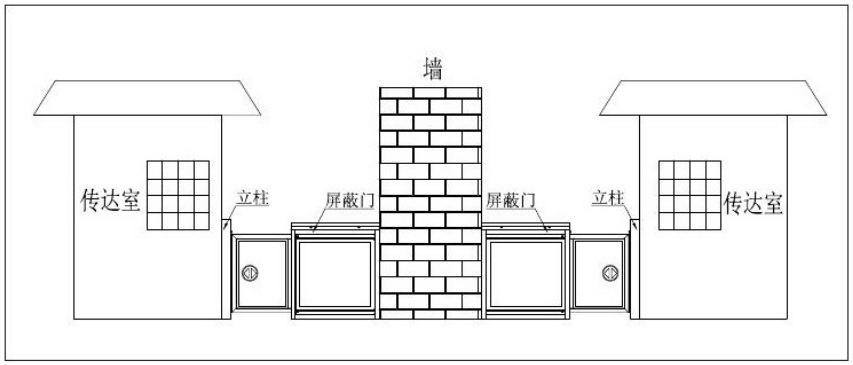
Rated power: 120W Maximum panel weight: 200 kg Temperature: -20C to +60C Static current: <200mA Remote range: >30 m under stated conditions Protection: IP54.

4. Site Planning & Materials

Prepare RVV 2 x 4 mm2 power cable, RVV 2 x 0.75 mm2 auxiliary cable, RVSP 2 x 0.5 mm2 twisted shielded communication cable and 25 mm PVC conduit. Plan the paired gate position, pedestrian direction, controller access and infrared beam before construction.



2）人行通道布局示意

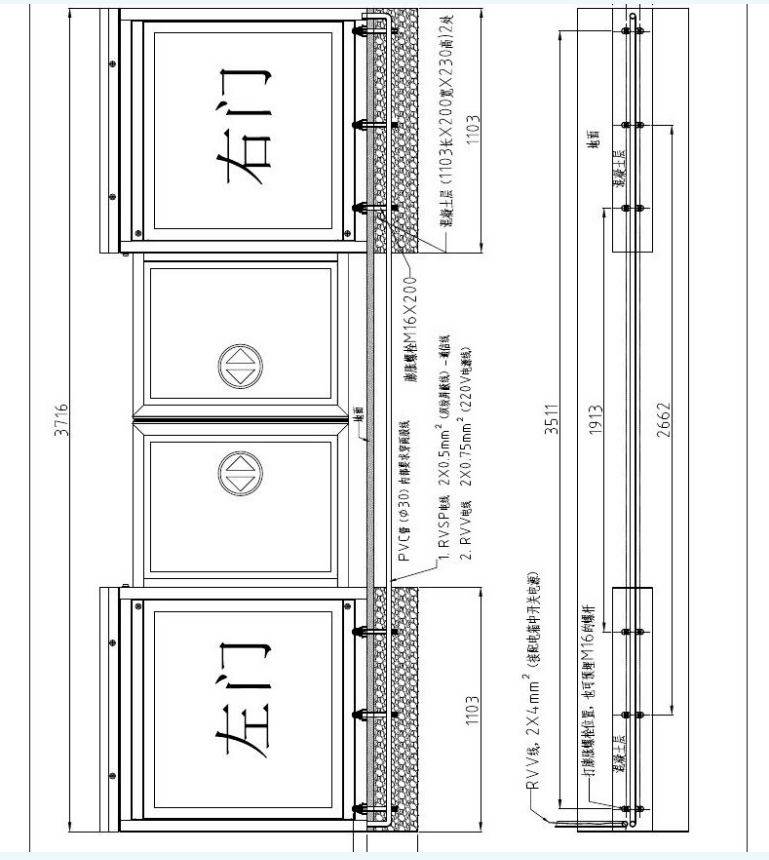


3）需要准备的物料

- RVV电线　2×4mm²
- RVV电线　2×0.75mm²
- RVSP电线　2×0.5mm²　双绞屏蔽线
- PVC管直径25（预埋管）

5. Foundation Requirements

Install on a stable concrete surface. For a non-concrete site, cast a reinforced concrete foundation at each gate position. The source manual recommends a rectangular opening larger than 1103 x 200 mm and deeper than 230 mm. Final dimensions depend on soil, anchors and local engineering requirements.

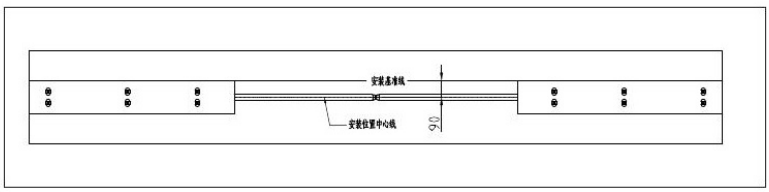


6. Positioning & Alignment

Mark installation reference lines. Align one side of each gate body with the reference line. Lightly secure the units, then verify that both sliding panels share one plane. Level uneven surfaces or use suitable steel shims. Misalignment can interrupt optical or communication signals.

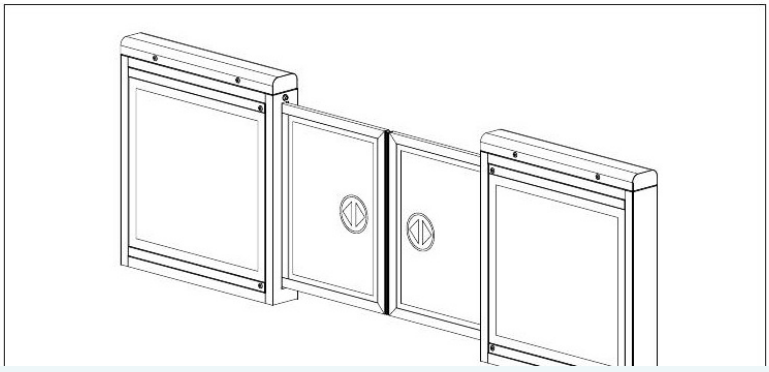
2. 安装

1）根据安装基准线把屏蔽门的一侧面与基准线重合；



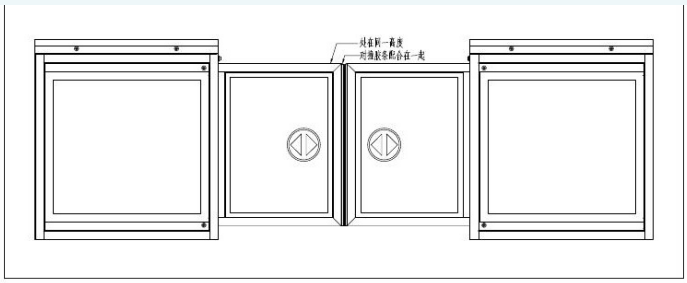
2）门体位置安置好后，用螺母轻固定门体，使其不至于晃动，自然状态下看两扇滑动门是否在一个平面上对齐如图所示；

3）若两门体不在同一平面上时，则需平整地面或垫钢片等物体使两门体处于同一平面否则会影响信号接收，导致开关门出现问题。



7. Leveling & Final Assembly

Level the first sliding panel across its upper frame. Use it as the reference for the second panel. Keep a 10-20 mm gap between the opposing anti-collision rubber strips to reduce pinch risk. Tighten the anchor pressure plates after alignment. Install advertising inserts without blocking moving parts, sensors or service access.



5）上述步骤完成后，可以紧固压板条，到此产品安装完成；
6）贴广告画：广告画贴在广告窗上，用纸夹夹好。

8. Operating Logic & Controller

Normal cycle: power-on closing-position check, stop, opening signal, opening, slow opening, fully open, dwell countdown, closing, slow closing and stop. During opening, an obstruction stops the panel for about 3 seconds before opening continues. During closing, an obstruction or infrared trigger commands reopening. Confirm all functions during commissioning.

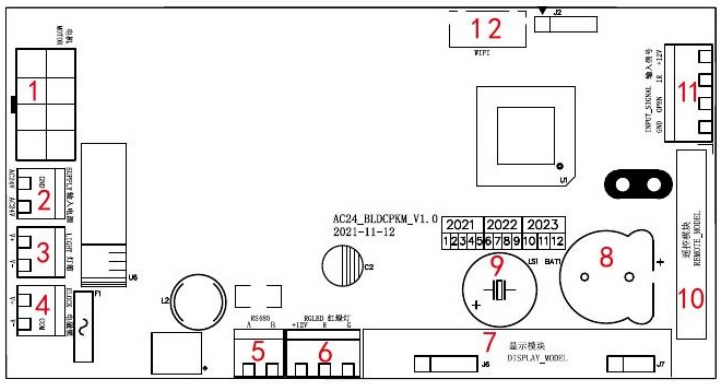
——开门

3）红外模式

关门时红外被阻挡——开门

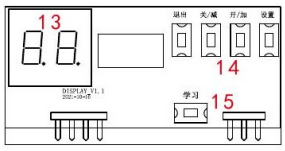
2. 控制器接线说明

1）主板示意图

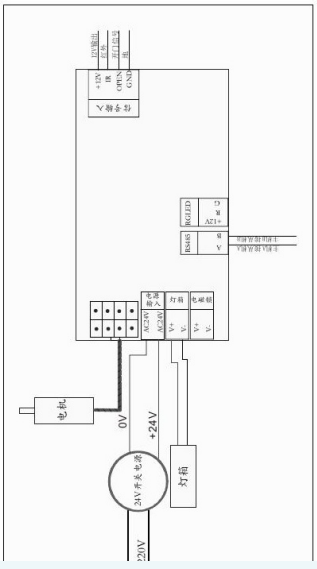


9. Wiring

Connect the 24V supply, motor, lighting box, electromagnetic lock, RS485 A/B, 12V output, red/green indicator, OPEN signal, infrared input and ground exactly as marked. Pair units through RS485 A-to-A and B-to-B. Use one master and one slave. Disconnect mains power before wiring and verify polarity before energizing.



3）接线示意图



10. Limit Learning & Controls

After power-up, the controller closes automatically to find its reference position. The display counts from 30 to 10. Do not obstruct the gate during this process. If movement direction is wrong, change F6 between 0 and 1. Use the SET, PLUS/OPEN, MINUS/CLOSE and EXIT keys to navigate settings. Use F8 to adjust the opening travel.

9	蜂鸣器	
10	遥控接收模块	
11	外部信号输入端口	
12	WIFI预留端口	
13	数码管	
14	菜单操作按键	设置、加/开、减/关、退出
15	遥控学习键	学习键

3. 操作流程

1）限位学习流程

注意：上电后自动关门找起始点，数码管由30变为10，关门过程中不要阻挡门的运行，开门行程设置F8的值，若上电后不是关门而是开门，则应把F6的值修改由0->1或1->0

11. Parameter Reference

Code	Function / range / default
F1	Opening speed 15-90, default 40
F2	Closing speed 15-90, default 40
F3/F4	Opening / closing slow speed 10-50, default 15
F5	Slow zone 2-8, default 5
F6	Direction: 0 normal, 1 reverse
F7	Auto-close 0-99 s, default 5; 0 disables
F8	Opening travel 20-99, default 25
F9	0 master, 1 slave, 2 standalone
G2	Obstacle current 10-99, default 40 x 0.1A
G4	Self-test current 3-20, default 15 x 0.1A
G5	End current 3-20, default 10 x 0.1A
G7	Infrared behavior: reopen / pause then close
G9	Factory reset: set to 20
H1	Lighting: 0 off, 1 schedule, 2 always on
H2-H7	Clock, light-on and light-off schedule

12. Remote Control

The supplied remote is normally paired. To learn a new remote, briefly press the learning key, then hold any remote button until the learning indicator flashes and turns off. To clear all codes, hold the learning key for approximately 10 seconds until the indicator flashes and turns off. Pair all required remotes again after clearing.

Normally open mode: hold OPEN for more than 3 seconds. Press CLOSE to exit. Always-on lighting: hold the function key for more than 1 second. Press the function key again to exit.

13. Troubleshooting & Maintenance

Code / symptom	Likely cause	Action
E1	Photoelectric switch abnormal	Check sensor and signal path
E2	Run timeout	Check free mechanical movement
E3	Motor stall	Check motor and mechanism
E4/E5	Opening / closing obstruction	Remove obstruction and inspect movement
E6	Infrared blocked too long	Clear infrared beam
E7	Limit abnormal	Restart and repeat self-test
No response	No input / wiring / fuse	Check supply, terminals and short circuits
Remote inactive	Battery / interference / damage	Replace battery; avoid interference; replace remote
Paired doors unsynchronized	F9 master/slave setting	Set one master and one slave
Stops before closed	Learning blocked or currents too low	Repeat learning; adjust G4/G5 carefully

Maintenance: clean the advertising windows; replace inserts without damaging the guide plate; clean and lubricate linear guides every three months; keep remotes dry and replace weak batteries.

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Neutral English Manual

No public contact information included