

## RWP22D-1H600C (Product No.:102101300101)

### Summary

RWP22D-1H600C is a 22W AC/DC constant current mode output LED driver, complies with DALI standard protocol IEC 62386. RWP22D-1H600C can be connected to DALI main controller achieve a smooth dimming effect.

### Product Features

- Meet DALI Protocol IEC 62386-207 Ed2.0
- Support Touch DIM(Push DIM) function
- High efficiency up to 85 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over Voltage
- Suitable for indoor LED lighting application, such as down light, panel light, and so on


**SELV**

### Application



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light

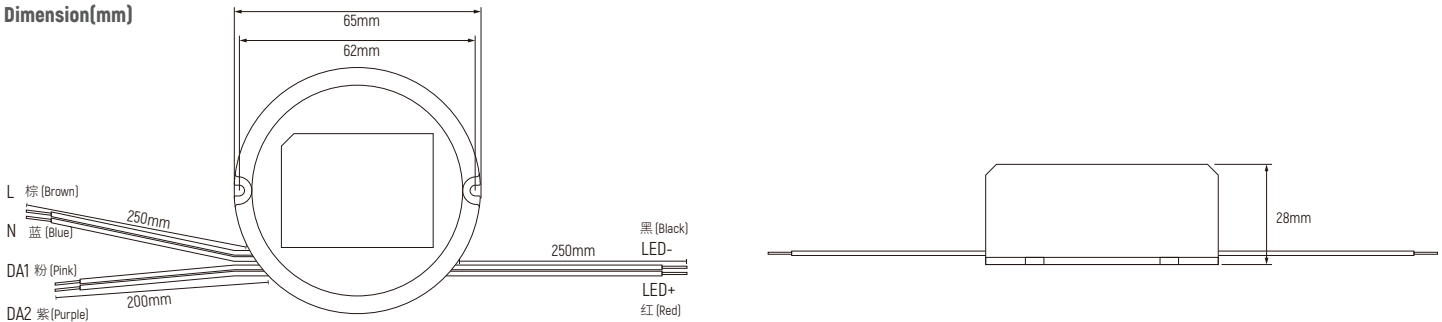


Flood Light

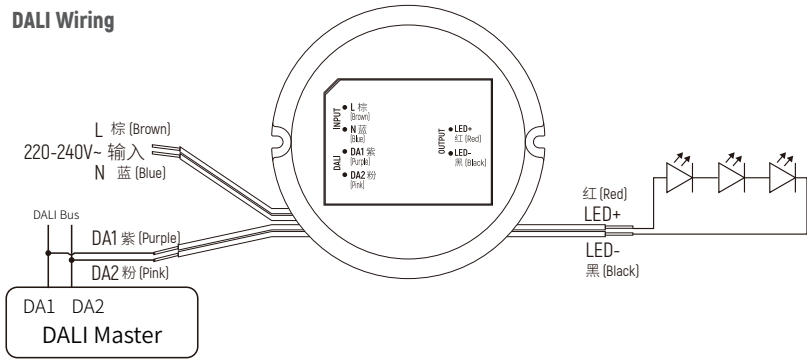
### Technical Paramaters

| Model        | RWP22D-1H600C                         |                                                                                     |
|--------------|---------------------------------------|-------------------------------------------------------------------------------------|
| Input        | Efficiency                            | ≥85%@230VAC,Full load                                                               |
|              | Voltage                               | 220VAC-240VAC                                                                       |
|              | Frequency Range(Hz)                   | 50/60Hz                                                                             |
|              | Power Factor                          | ≥0.95@230VAC,Full load                                                              |
|              | THD(full load)                        | <10%@230VAC, Full load                                                              |
|              | AC Current(max)                       | 0.14Amax@230VAC                                                                     |
|              | Standby power                         | <0.5W                                                                               |
|              | Inrush Current(max)                   | Cold start,20A@230VAC 100us                                                         |
| Output       | Current(mA)/Voltage (VDC)<br>Power(W) | 600mA/9-36VDC/22W                                                                   |
|              | Ripple Current                        | <3%                                                                                 |
|              | Channel                               | 1                                                                                   |
|              | Current Tolerance                     | ±5%                                                                                 |
|              | No load output voltage                | 55V Max                                                                             |
|              | Turn on delay Time                    | <0.75s, at230Vac                                                                    |
| Function     | Dimming Type                          | DALI                                                                                |
|              | Dimming Range                         | 0.3%-100%                                                                           |
| Protection   | Short Circuit                         | Shut down the output, recovers automatically after fault removed                    |
|              | Over Load                             | The output current decreases and, recovers automatically when the load is reduced.  |
|              | Over Voltage                          | The output current decreases and, recovers automatically when the load is reduced.  |
| Safety & EMC | Surge                                 | L-N:1KV                                                                             |
|              | Withstand Voltage                     | I/P-O/P: 3000VAC/1min/5mA                                                           |
|              | DALI Standard                         | IEC 62386-101: 2014, IEC 62386-102: 2014; IEC62386-207 Ed2.0                        |
|              | Safety Standards                      | EN61347, GB19510                                                                    |
|              | EMC Eission                           | EN50515, EN61000-3-2                                                                |
|              | EMC Immunity                          | EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547                                             |
| Others       | Working Temp.                         | -20°C~70°C                                                                          |
|              | Storage Temp., Humidity               | -40°C~85°C, 20-90%RH                                                                |
|              | tc                                    | 80°C                                                                                |
|              | Material                              | PC                                                                                  |
|              | IP Rating                             | IP20                                                                                |
|              | Lifetime                              | 30,000h@tc:80°C                                                                     |
|              | Warranty Condition                    | 3 Years                                                                             |
|              | Switch Cycle                          | >150,00 tims                                                                        |
|              | Packing(weight)                       | Net weight: --/PCS; 60PCS/Carton; --kg±5%/Carton; Carton Size: 296*224*184mm(L*W*H) |
|              | Dimension                             | Φ 65*H28mm ( Φ L*W*H)                                                               |

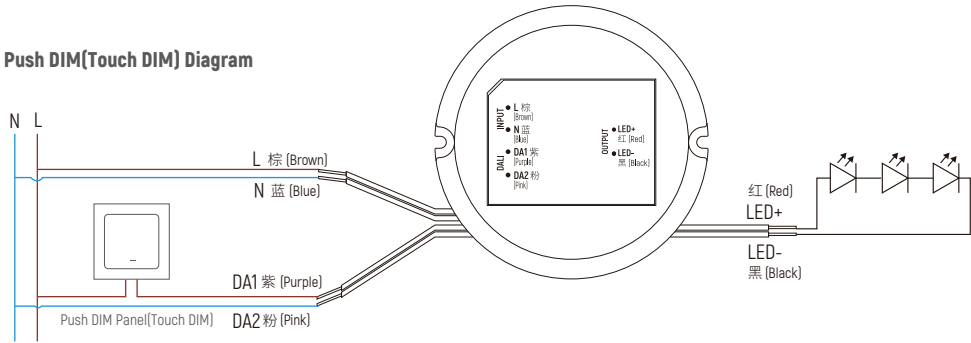
**Dimension(mm)**



**DALI Wiring**



**Push DIM(Touch DIM) Diagram**

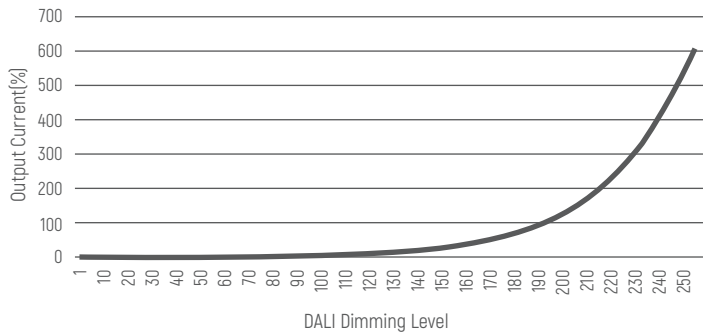


Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

**Push DIM Function**

1. Press the Push DIM (Touch DIM) switch for 8s or more, the driver can be controlled via Push DIM switch.
2. Short press the Push DIM (Touch DIM) switch (<0.5s) to control the lamp on or off.
3. Long press the Push DIM (Touch DIM) switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.
4. Double-click the Push DIM (Touch DIM) switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
5. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Push DIM (Touch DIM) switch.
6. With the Power off memory function, the power-down state will be recovered when power on again.

**Dimming Curve**



※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions.

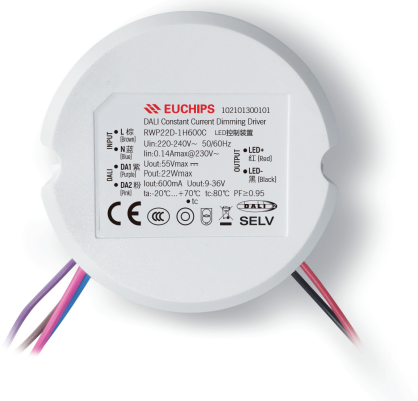
RWP22D-1H600C (产品代码:102101300101)

概述

RWP22D-1H600C是一款电流输出驱动, 符合DALI标准协议IEC62386. 用DALI主控调光, 调光曲线平滑、无闪烁.

产品特点

- 遵循DALI协议标准 IEC62386-207 Ed2.0
- 支持Touch DIM(Push DIM)功能
- 效率高达 85%
- 内建主动式PFC功能
- 调光效果平滑, 无闪烁
- 保护: 短路保护, 过载保护, 过压保护
- 适用于LED室内灯具,比如筒灯, 面板灯等

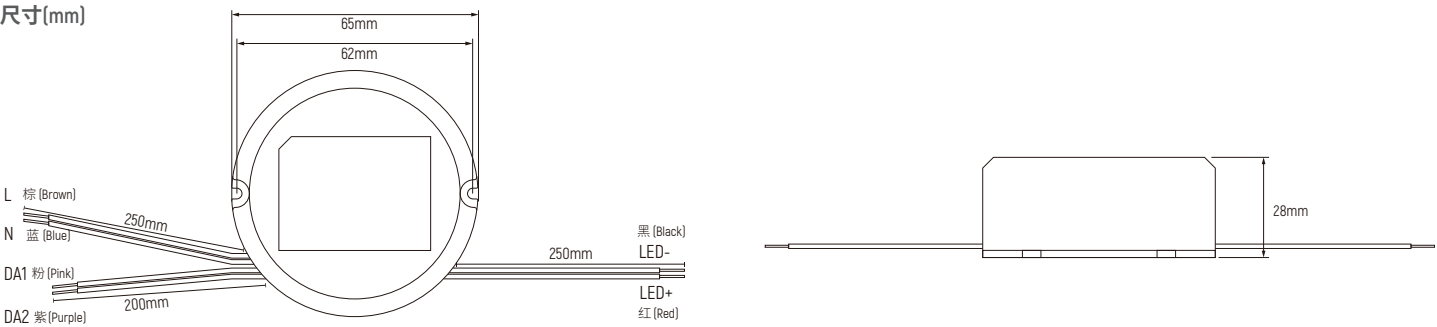


应用

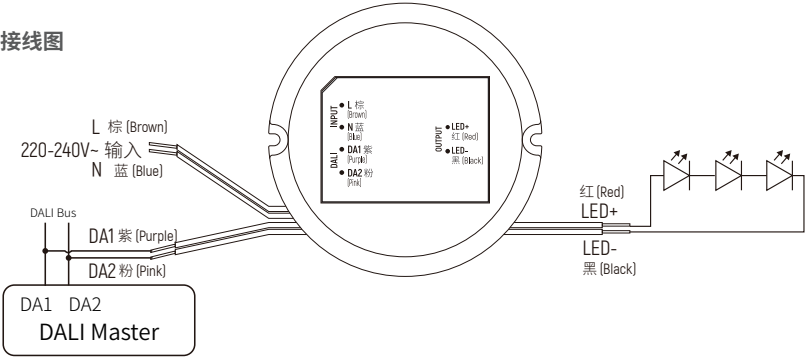


技术参数

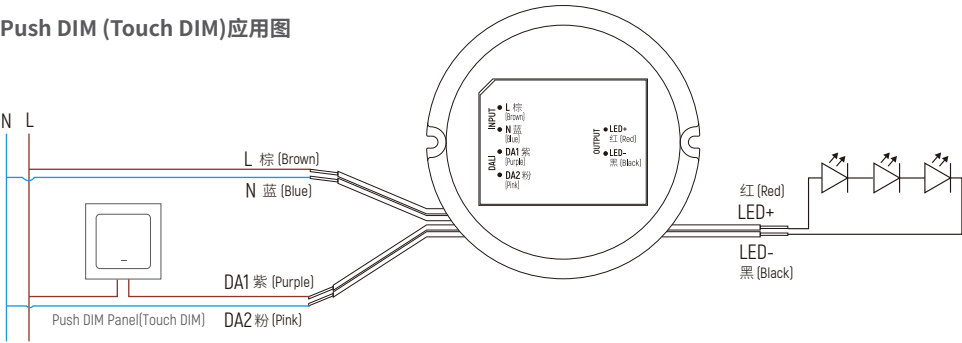
| 型号        | RWP22D-1H600C |                                                                      |
|-----------|---------------|----------------------------------------------------------------------|
| 输入        | 效率            | ≥85%@230VAC, 满载                                                      |
|           | 电压            | 220VAC-240VAC                                                        |
|           | 频率            | 50/60Hz                                                              |
|           | 功率因素          | ≥0.95@230VAC, 满载                                                     |
|           | THD           | <10%@230VAC, 满载                                                      |
|           | 电流            | 0.14Amax@230VAC                                                      |
|           | 待机功耗          | <0.5W                                                                |
|           | 浪涌电流          | 冷启动, 20A@230VAC 100us                                                |
| 输出        | 电流/电压/功率      | 600mA/9-36VDC/22W                                                    |
|           | 波纹电流          | <3%                                                                  |
|           | 通道            | 1                                                                    |
|           | 电流精度          | ±5%                                                                  |
|           | 空载输出电压        | 55V Max                                                              |
|           | 启动延时          | <0.75s, at230Vac                                                     |
| 功能        | 调光方式          | DALI                                                                 |
|           | 调光范围          | 0.3%-100%                                                            |
| 保护        | 短路            | 关断输出, 移除故障后自恢复                                                       |
|           | 过载            | 当超过输出电压时, 输出电流减小, 当负载降低时自动恢复                                         |
|           | 过压            | 当超过输出电压时, 输出电流减小, 当负载降低时自动恢复                                         |
| 安全 & 电磁兼容 | 浪涌            | L-N:1KV                                                              |
|           | 耐压标准          | I/P-O/P: 3000VAC/1min/5mA                                            |
|           | DALI标准        | IEC 62386-101: 2014, IEC 62386-102: 2014; IEC62386-207 Ed2.0         |
|           | 安全标准          | EN61347, GB19510                                                     |
|           | 电磁兼容          | EN50515, EN61000-3-2                                                 |
|           | EMC抗扰度        | EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547                              |
| 其它        | 工作温度          | -20°C~70°C                                                           |
|           | 储存温度、湿度       | -40°C~85°C, 20-90%RH                                                 |
|           | tc            | 80°C                                                                 |
|           | 材质            | PC                                                                   |
|           | 防水等级          | IP20                                                                 |
|           | 寿命            | 30,000小时@tc:80°C                                                     |
|           | 质保            | 3年                                                                   |
|           | 开关周期          | >150,00次                                                             |
|           | 包装尺寸(重量)      | 净重: --±5%/PCS; 60PCS/Carton; 6.65kg±5%/箱; 外箱尺寸: 296*224*184cm[长*宽*高] |
|           | 尺寸            | φ65*H28mm (长*宽*高)                                                    |



接线图



Push DIM (Touch DIM)应用图

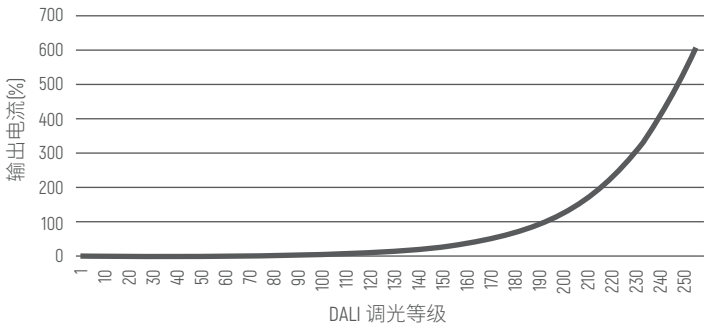


备注: 只能使用开路的按压式开关(不带指示灯). 采用同步连线时每个设备和设备之间的线长不超过20米.

Push DIM 功能

- 1.长按Push DIM(Touch DIM)开关8s, 进入Push DIM (Touch DIM)模式。
- 2.短按Push DIM (Touch DIM)开关 (<0.5秒) 进行灯的亮灭控制。
- 3.长按Push DIM (Touch DIM)开关 (>0.5秒) 进行灯具的亮度调节, 光是调亮还是调暗, 随着每次按压的开关变化而变换。
- 4.双击Push DIM (Touch DIM)开关 (<0.3秒) , 连接的所有灯具将达到最亮状态。
- 5.亮度调节范围为1%-100%。
- 6.具有断电记忆功能, 重新上电将恢复到上一次断电的状态。

调光曲线



※ 本说明书内容如有更新, 恕不另行通知。若您使用的产品功能与说明书不一致时, 请以产品为准。如有疑问请与我们联系。