Aurtron®

Email
sales.aurtron@gmail.com

DP35LW REV.B

Product Datasheet



Version V1.00

Release Date 2026-01-27

Copyright© 2026 Aurtron

Verification	Review	Approval

About This Document

This document mainly introduces the specification parameters of the DP35LW REV.B.

Revision History

Date	Version	Release notes
2026.01.27	V1.00	Initial release

Copyright Notice

© 2026 Guangzhou Aurtron Intelligent Technology Co., Ltd. All rights reserved. No part of this document may be reproduced, transmitted, transcribed, stored, or translated into any language in any form or by any means without the prior written permission of Guangzhou Aurtron Intelligent Technology Co., Ltd.

Trademark Statement

Aurtron is the registered trademark of Guangzhou Aurtron Intelligent Technology Co., Ltd. It is hereby declared that all other product or brand names mentioned in this document are the trademarks or registered trademarks of their respective owners.

Disclaimer

The information contained herein is accurate and correct at the time of publication but is subject to change without notice. Aurtron assumes no responsibility for errors or omissions and shall not be liable for any consequences resulting from the use of such information. Furthermore, Aurtron shall not be held responsible for the proper functioning of any unstated features or parameters. Aurtron makes no warranties, representations, or guarantees regarding the suitability of its products for any particular purpose and assumes no liability for the application or use of any products or circuits. Specifically, Aurtron shall not be liable for any and all consequences, including but not limited to indirect or incidental damages.

The products are not designed, intended, or authorized for use in applications intended to support or sustain life, or in any other application where product failure could result in personal injury or death. If the purchaser buys or uses Aurtron products for any unintended or unauthorized application, the purchaser shall indemnify and hold Aurtron harmless from any claims and damages.

Contact Us

Sales Hotline: 020-38325879 ext. 302

Support Hotline: 020-38325879 ext. 401

Email: sales.aurtron@gmail.com

Website: www.aurtron.com

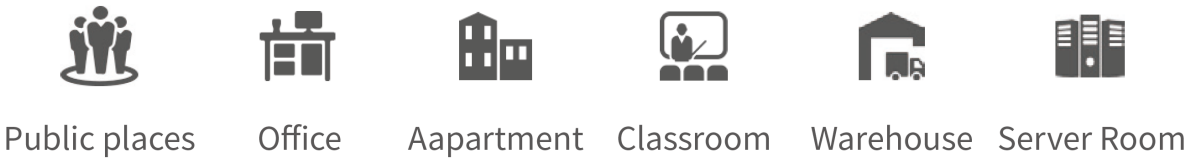
Address: 10th Floor, Building A, No. 3 Juquan Road, Guangzhou Science City, Huangpu District, Guangzhou, Guangdong, P.R. China

1. Overview

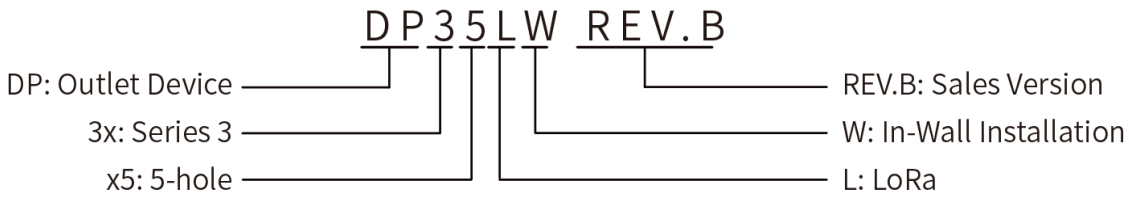
The LoRa Outlet DP35LW REV.B supports the international LoRaWAN protocol and offers energy monitoring and remote control capabilities. Designed to fit standard 86-type outlet panels, it ensures compatibility with existing installations. The unit can be configured

and controlled remotely via LoRa or locally using BLE , improving on-site deployment efficiency. It is characterized by straightforward configuration, easy maintenance, compact size, and light weight. Suitable for a variety of environments, including offices, hotels, factories, laboratories, and warehouses.

2. Application Scenarios



3. Product Selection



Model	Transmit power	Outlet Type	Band	Areas
DP35LW REV.B(LC22V-1B5H,10A)	10A	5-hole	CN490	China

4. Product Features

- 86-type box mounting
- 1 channel independent RTC real-time clock
- 1 channel relay output, maximum load 10A
- 1 channel LoRa wireless communication
- 1 channel BLE wireless communication
- 1 channel on/off control button
- 1 channel on/off indicator
- Supports Modbus-RTU protocol
- Supports BLE near-field wireless configuration
- Supports BLE near-field wireless firmware upgrade

5. Electrical Specifications

Parameter	Min	Typ	Max	Remarks
Rated Voltage	-	250V AC	-	
Operating Voltage Range	85V AC	-	264V AC	
Frequency Range	45Hz	-	65Hz	
Rated Frequency	-	50/60Hz	-	
Power Consumption	-	-	2W	When the maximum transmission power of LoRa is + 22 dBm
Rated Load	-	-	2500W@10A	

6. LoRa RF Characteristics

Parameter	Min	Typ	Max	Remarks
Frequency Range	410MHz	-	510MHz	-
Transmit Power	-	-	+22dBm	-
Receive Sensitivity	-	-134dBm	-	SF10@BW125KHz

7. BLE RF Characteristics

Parameter	Min	Typ	Max	Remarks
Frequency Range	2402MHz	-	2480MHz	-
Transmit Power	-	0 dBm	-	-
Receive Sensitivity	-	-95 dBm	-	1Mbps
Communication Distance	-	10m	-	Open Environment

8. Metering Characteristics

Parameter	Min	Typ	Max	Remarks
Active Energy Accuracy	-	±2%	±5%	-

Note: This outlet is not a professional metering instrument, and metering results are for reference only.

9. Environmental Characteristics

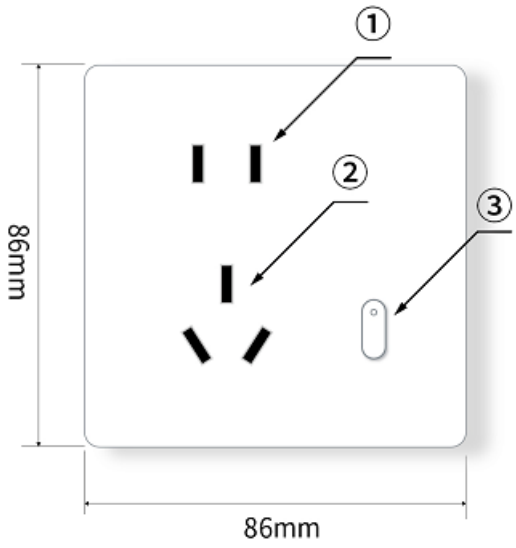
Parameter	Min	Typ	Max	Remarks
Rated Operating Temperature	-10℃	-	45℃	Normal operating conditions
Extended Operating Temperature	-25℃	-	60℃	Short-term tolerance. Requiring low load.
Maximum Operating Temperature	-40℃	-	85℃	Short-term tolerance. Requiring low load.
Storage Temperature	-40℃	-	85℃	-
Humidity	5%	-	95%	Non-condensing
Altitude	-	-	2000m	-
Protection Rating	-	IP20	-	-

ESD Protection Level	-	Level 4	-	-
Surge (Impact) Protection Level	-	Level 4	-	-
Electrical Fast Transient (EFT) Burst Protection Level	-	Level 4	-	-

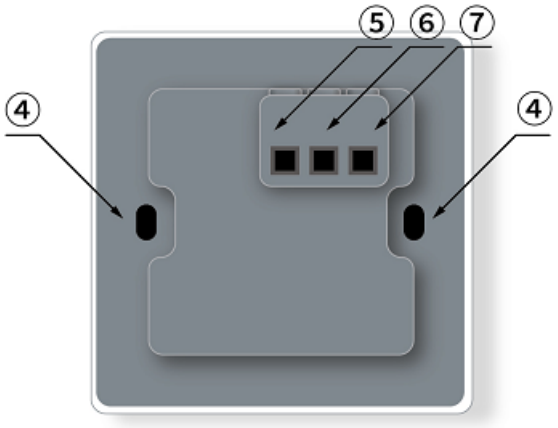
10. Hardware Description

Unit：All linear dimensions are specified in millimeters (mm).

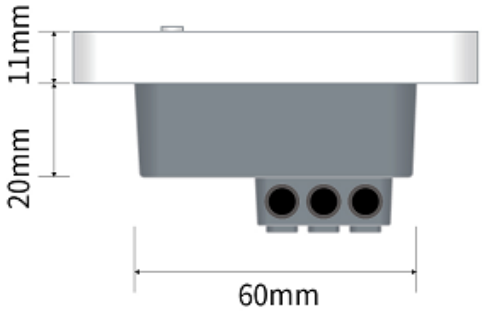
Tolerances: ±0.5 mm.



Front View



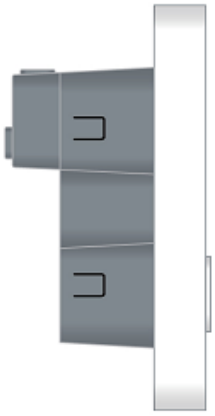
Rear View



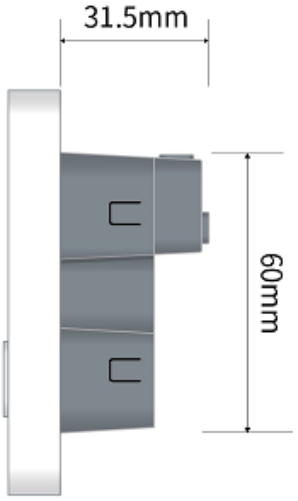
Top View



Bottom View



Left View



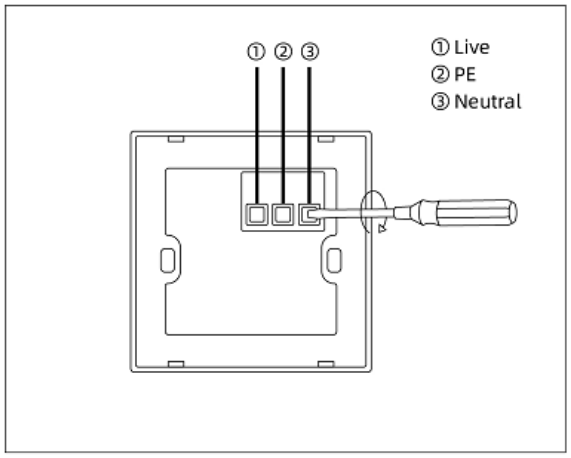
Right View

Sequence	Description	Remarks
1	2-hole outlet	-
2	3-hole outlet	-
3	Indicator light / Switch button	Short press the button to power on/off the outlet. Solid blue light indicates the outlet is powered on.

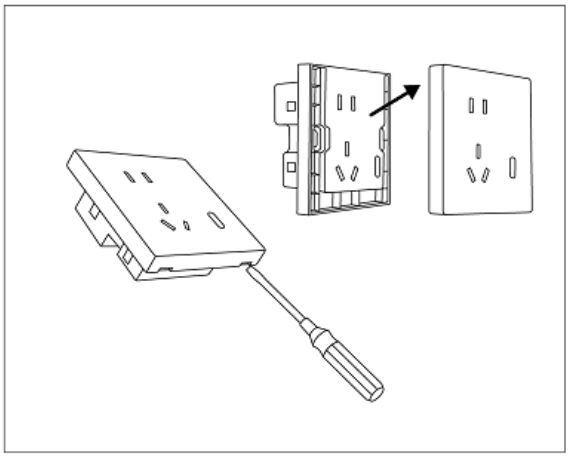
4	Mounting hole	-
5	Live (L) terminal	-
6	Protective Earth (PE) terminal	-
7	Neutral (N) terminal	-

11. Installation Description

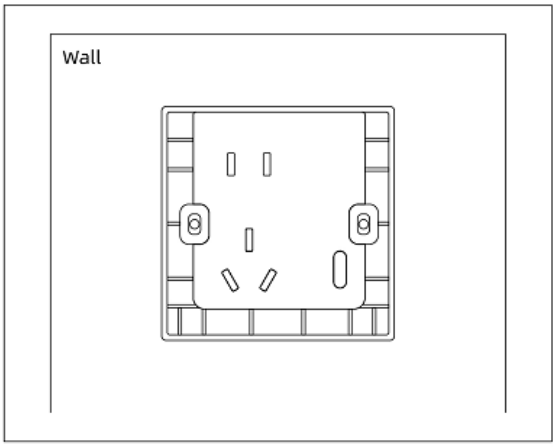
Danger：Before installation, isolate the equipment from all power sources and ensure the work area is dry.



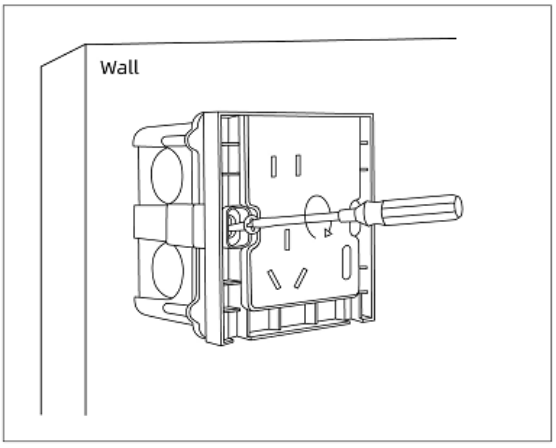
❶ Connect the Live, PE, and Neutral wires to their respective terminals and tighten the screws.



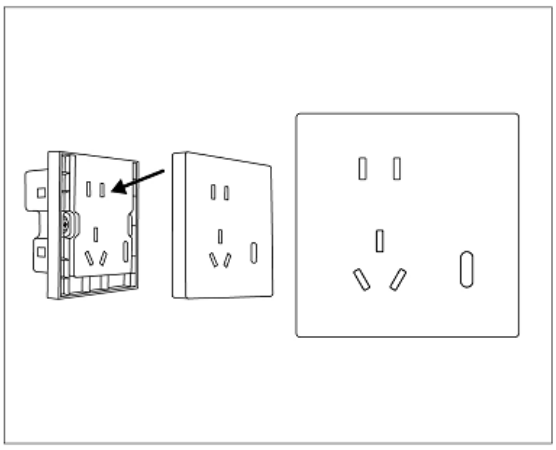
❷ Use a flat-head screwdriver to gently pry open the decorative cover from the bottom notch.



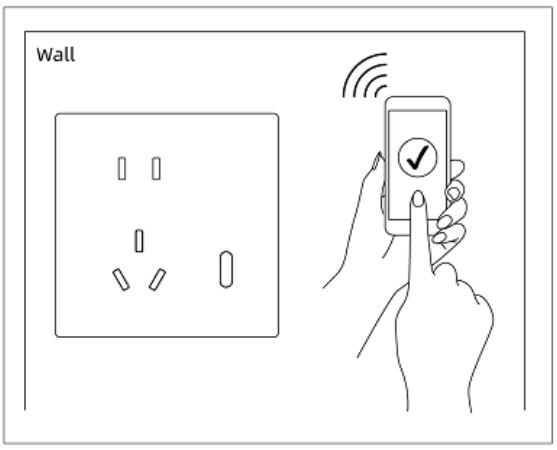
❸ Insert the main body of the socket into the Type 86 wall mounting box.



❹ Screw in the matching screws to ensure the socket is installed flat and securely.



❺ Align the decorative cover with the slots and press firmly until it snaps into place.



❻ Restore power and open the mobile app to complete the device configuration.

12.Packing List

Sequence	Material	Number
1	LoRa Outlet	1
2	EUI Label	3
3	Certificate of Conformity	1
4	Mounting Screws	2