User Manual

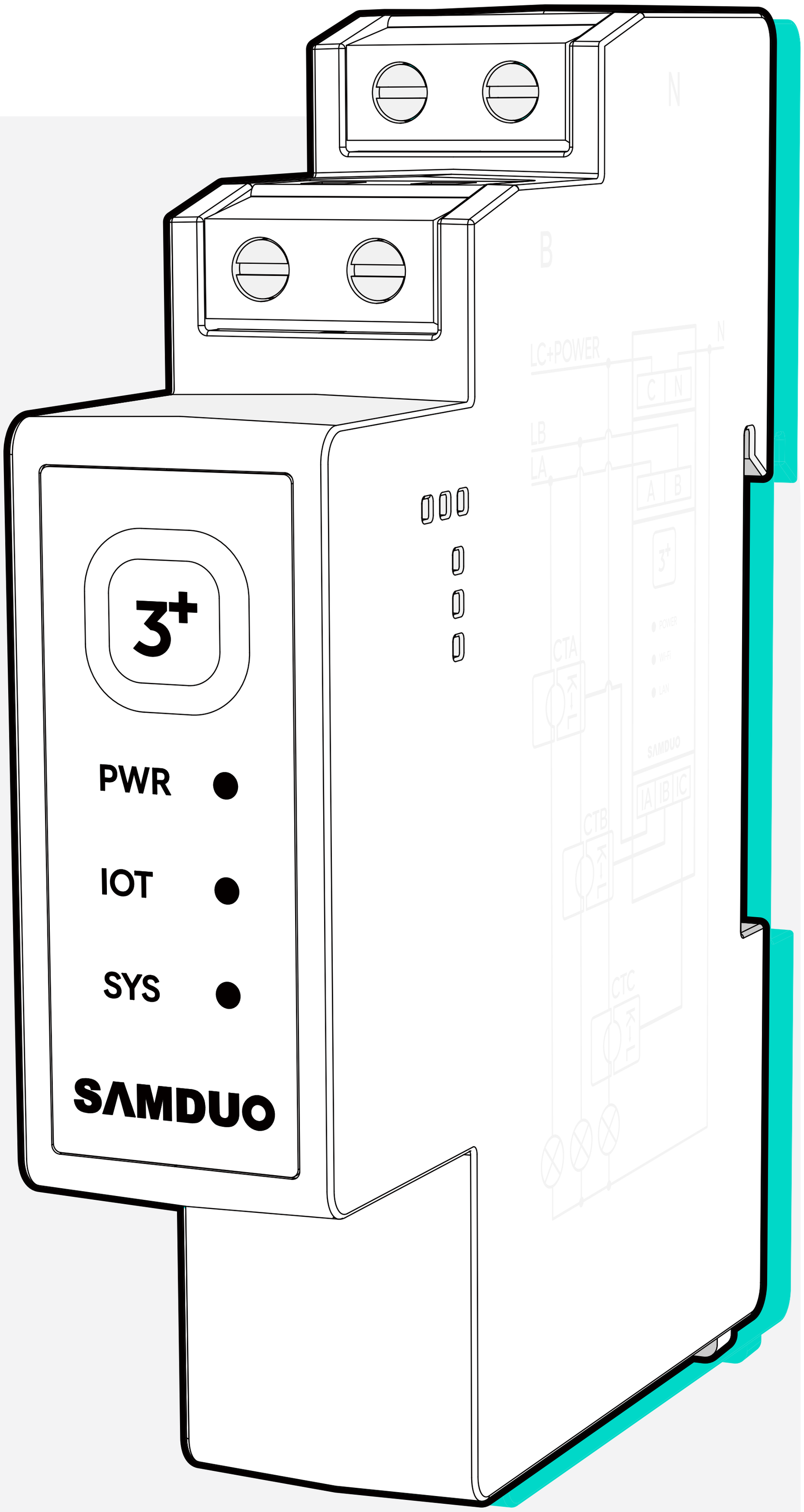
SAMDUO Smart Meter

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Scan for online support

Scan to download the SAMDUO App

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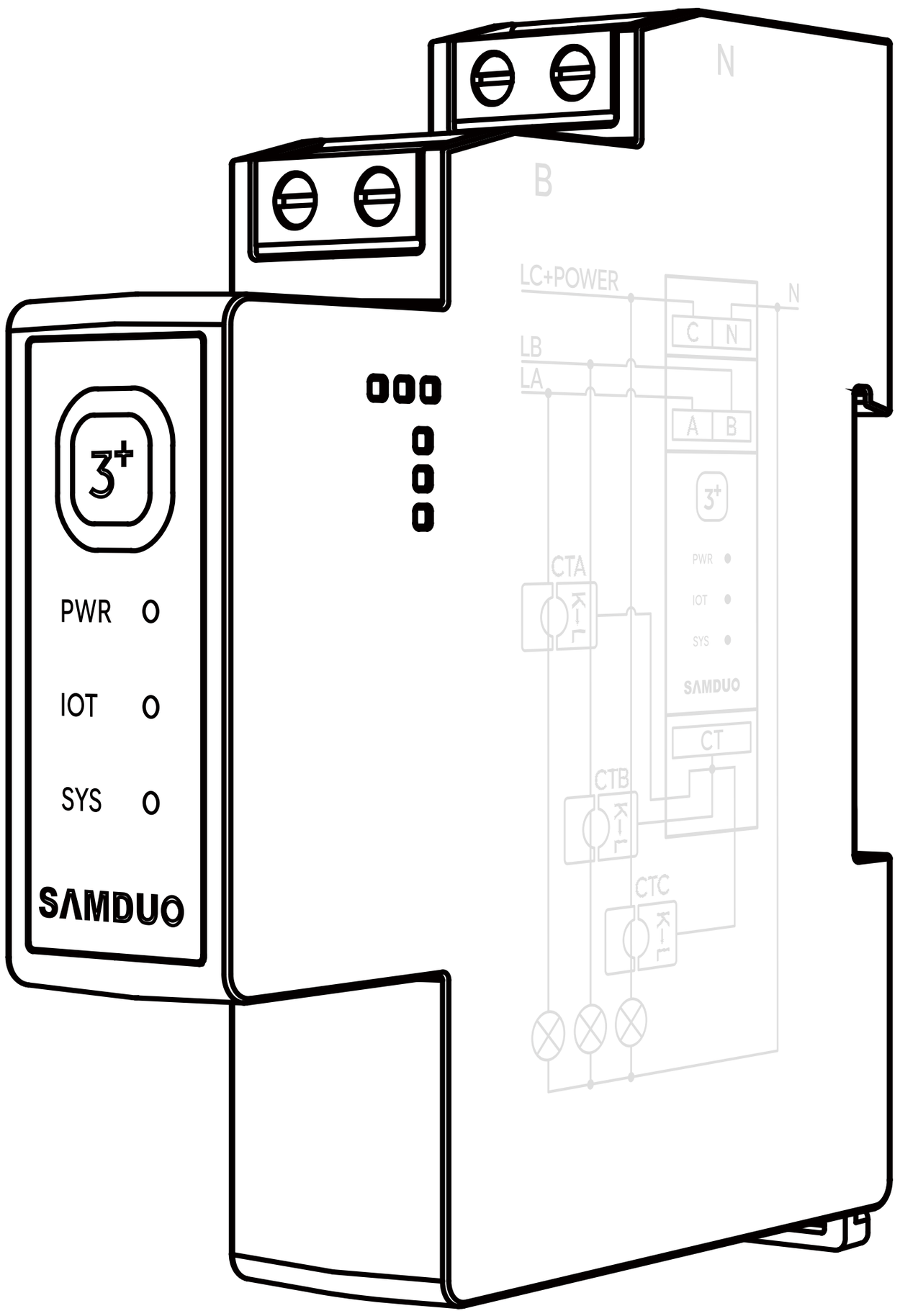
Precautions

Please read all the documents before installation. Not following the instructions may cause damage or malfunction to the product.

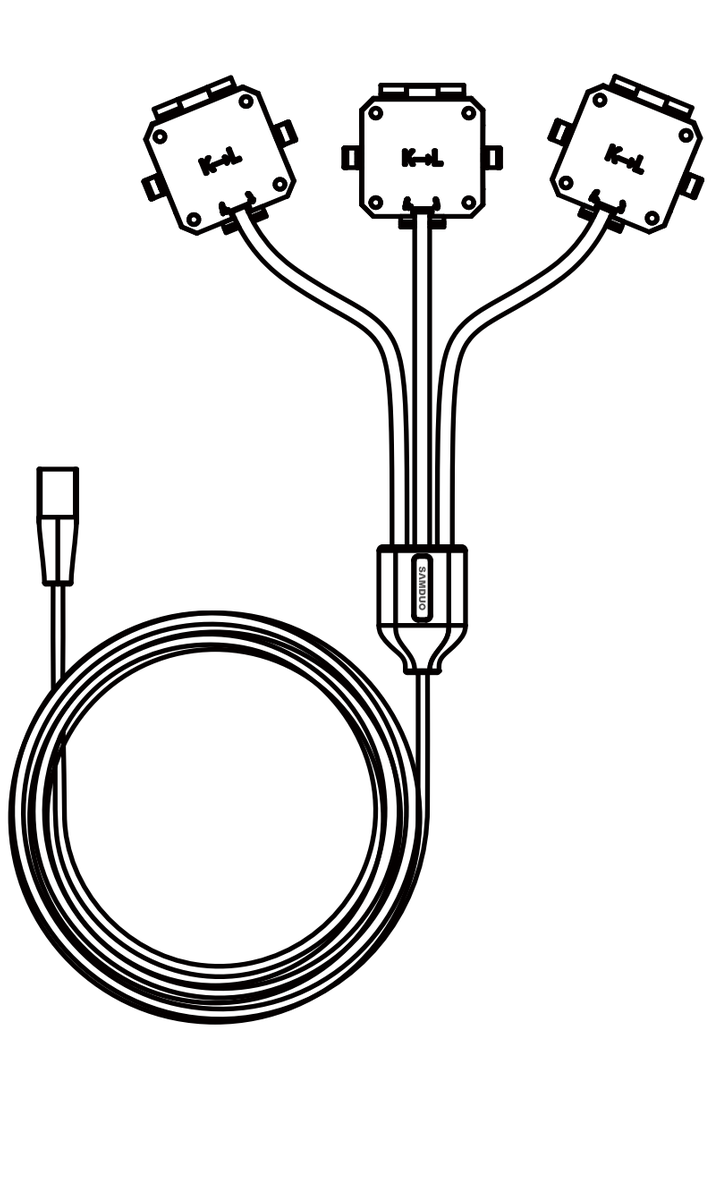
The installation and wiring must be performed by professional electrician or qualified personnel.

1. Check the attachment list (CT cable).
2. Check if the product is damaged.
3. Confirm the wiring arrow directions, which should point towards household appliances.
4. Warning! There is a risk of electric shock! Even if the current sensor is only connected separately to the cable, it is strictly prohibited to connect it to the circuit before connecting it to the product. The current sensor must be connected as the final step.
5. Warning! There is a risk of electric shock! Even if the product is powered off, the current sensor may still generate induced voltage. When moving the product, please disconnect the current sensor first, and ensure that the product is completely powered off.
6. Warning! Do not connect the product to circuits that exceed the rated maximum load.
7. Warning! Connect the product only according to the instructions in the manual. Any other method may result in product damage.
8. Warning! Please connect the CT measurement wire of the product first, and then connect the power wire.

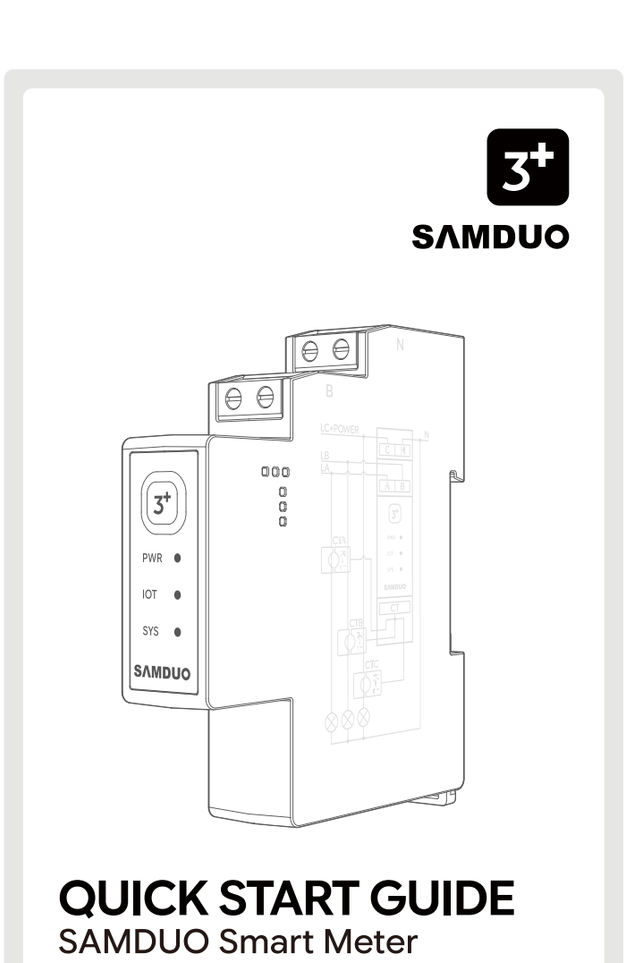
In the Box



SAMDUO Smart Meter



CT Cable
(Length: 1.0m)

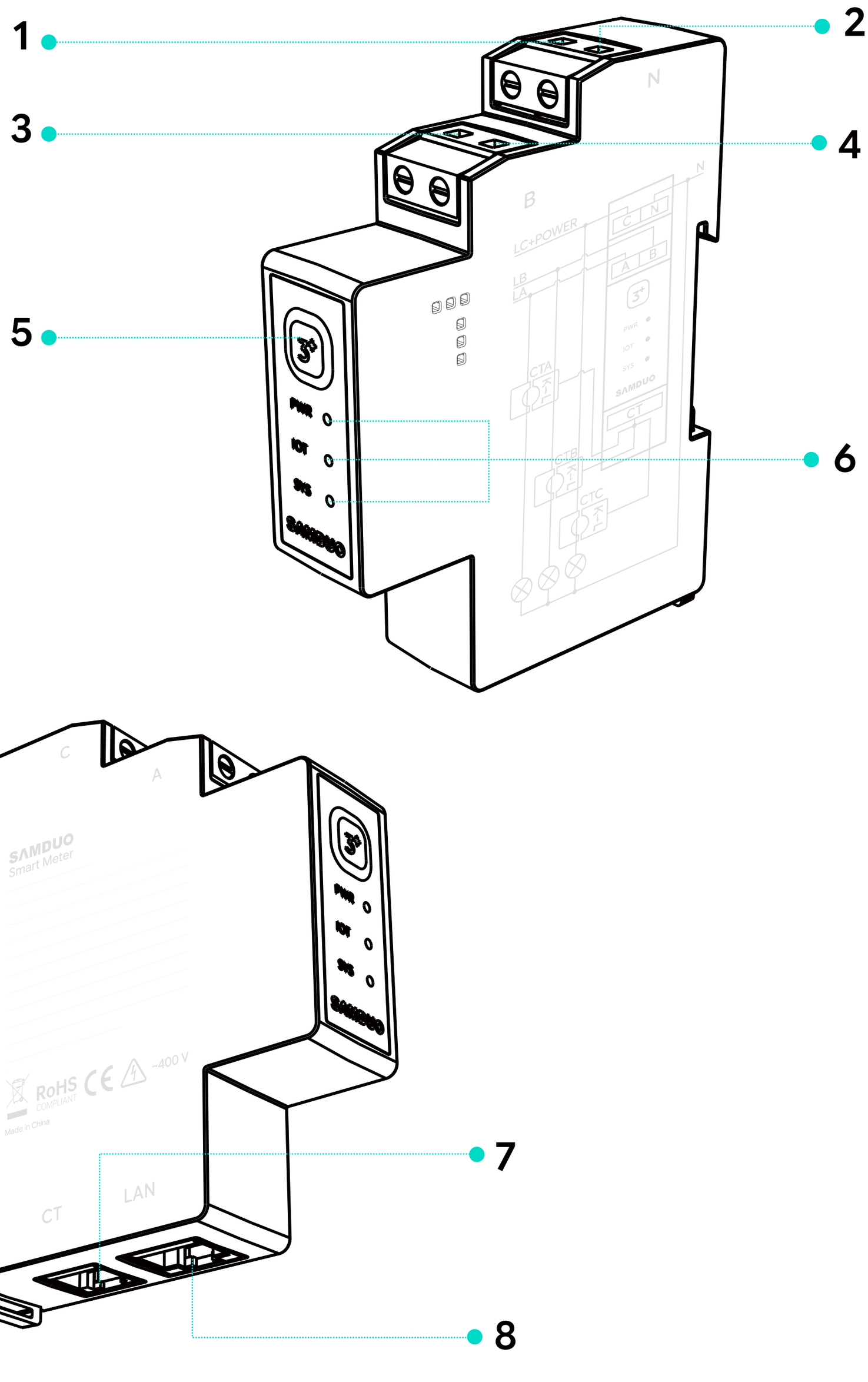


Quick Start Guide

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Product Overview

At a Glance

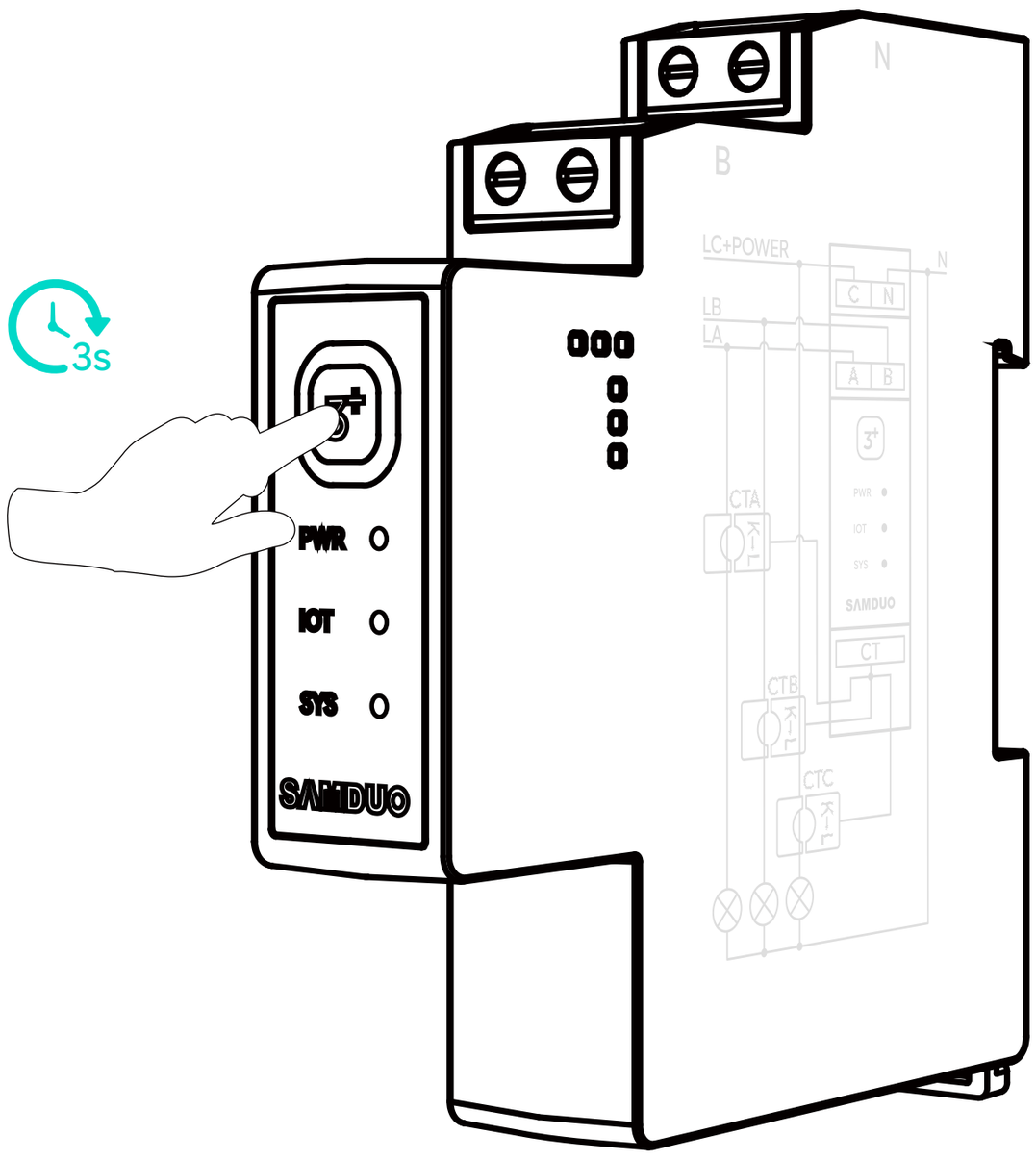


	Physical Interface	Function
1	Phase C / Power Input	1. To connect to live wire (LC) 2. For power supply
2	Neutral Input	To connect to neutral wire
3	Phase A Input	To connect to live wire (LA)
4	Phase B Input	To connect to live wire (LB)
5	3+ Button	To reset or unbind the product
6	Indicator Lights	Indicating working status
7	CT (RJ12)	To connect to CT cable
8	LAN (RJ45)	For wired network connection

Reset / Unbind the Product

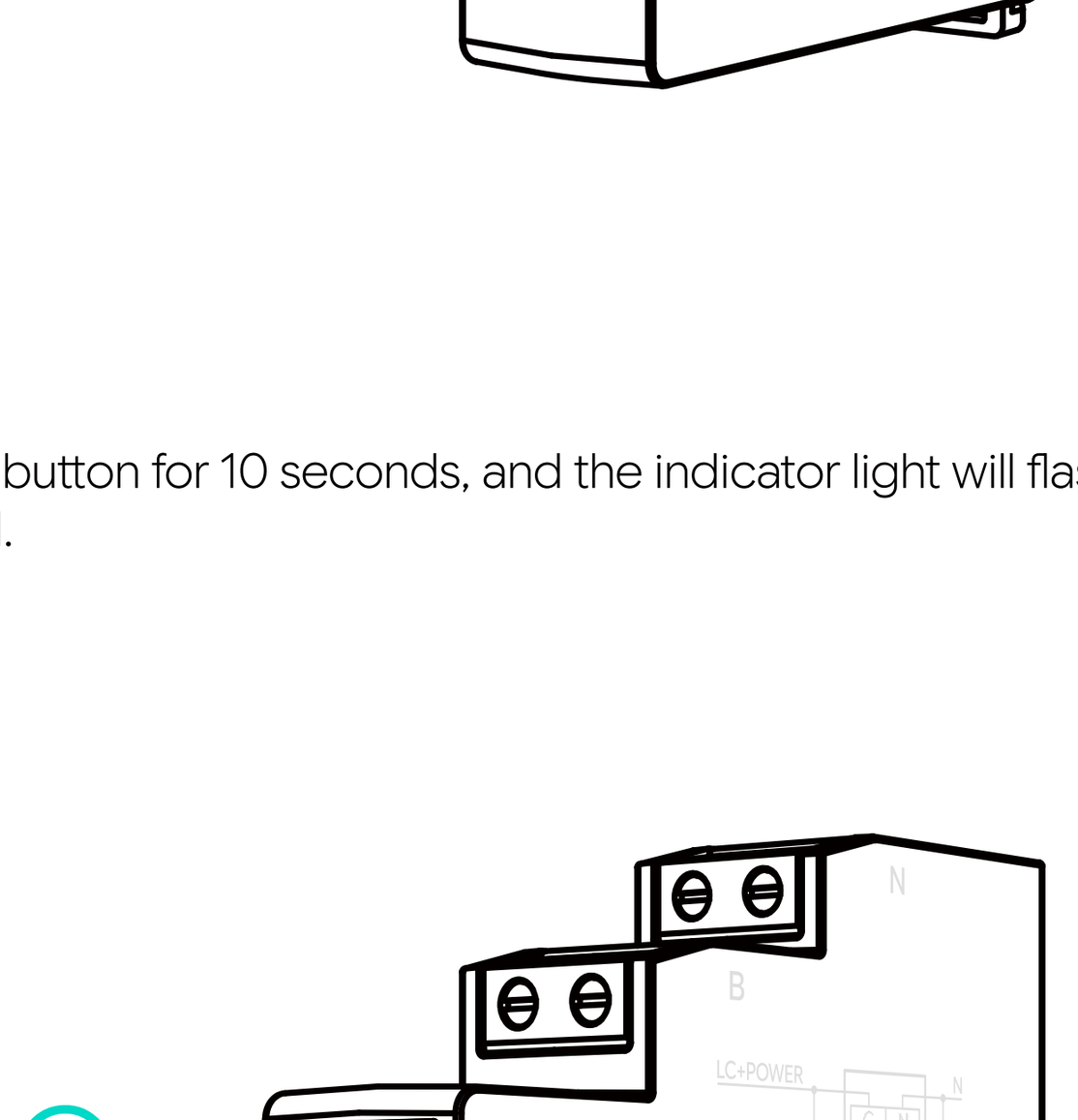
Reset

Long press the 3+ button for 3 seconds, and the indicator light will flash once.



Unbind

Long press the 3+ button for 10 seconds, and the indicator light will flash for 10 seconds and then turn solid.



LED Indication

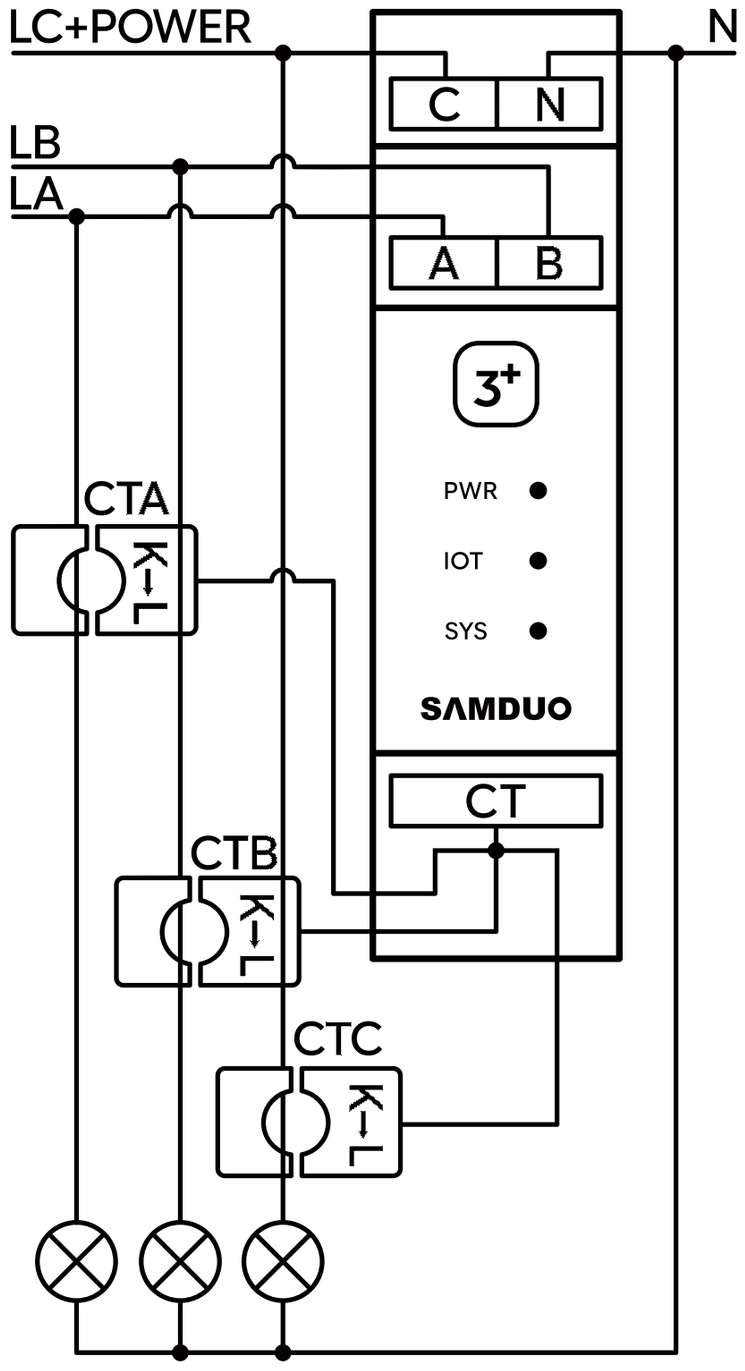
Indicator Light		Status
PWR		
Solid white		Powered on
Solid red		Hardware error
IOT		
Solid blue		In STA mode, not connected to Wi-Fi
Solid yellow		In STA mode, connected to Wi-Fi, and not connected to Cloud or Cloud is disabled
Solid white		In STA mode, connected to Wi-Fi and Cloud
SYS		
Flashing white		System is connected, with data interaction
Off		System is disconnected

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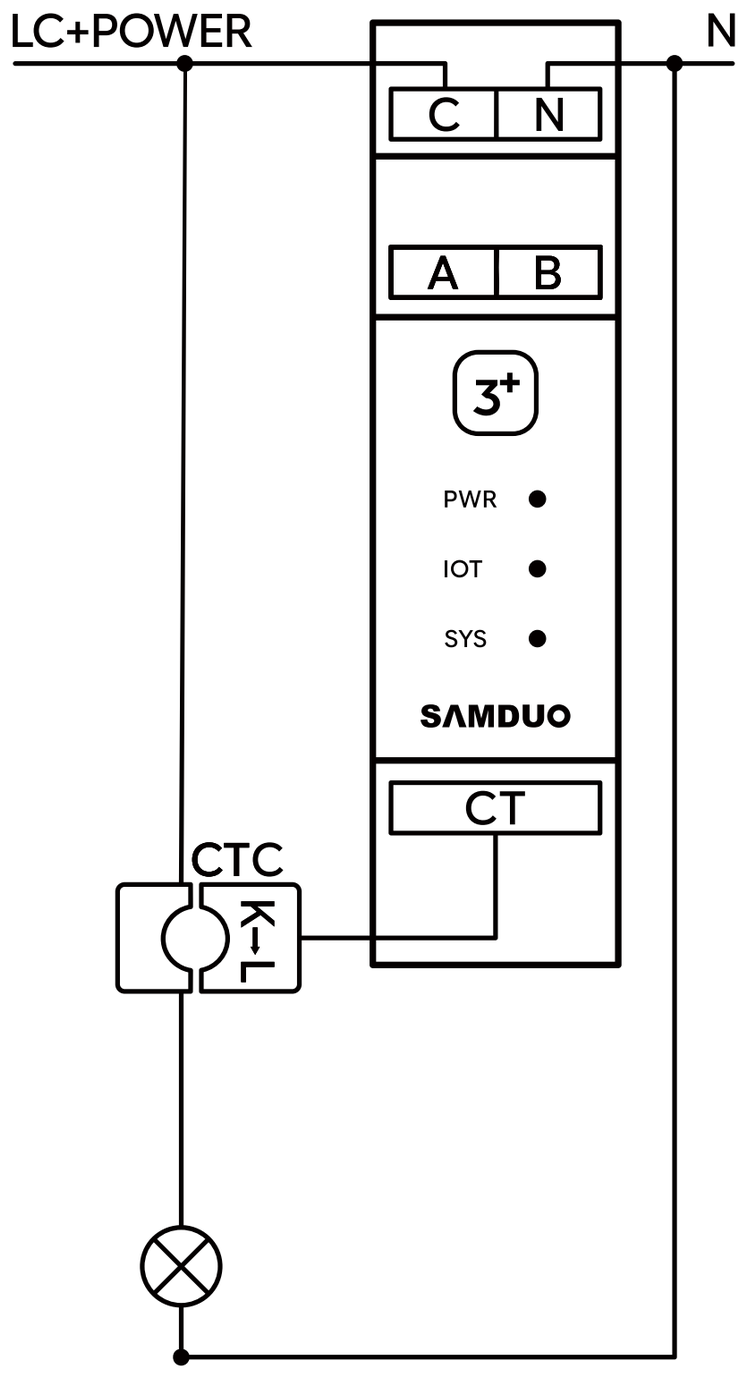
Installation

The installation and wiring must be performed by professional electrician or qualified personnel.

Three-Phase Connection Diagram



Single-Phase Connection Diagram



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App Setup

About SAMDUO App

The SAMDUO App offers a simple way to monitor and manage your energy storage system. Please note that the interface shown is for illustration, and may vary depending on the software version.

Download the SAMDUO App

Download the SAMDUO app from the App Store (iOS devices) or Google Play (Android devices), or by scanning the QR code below.

SAMDUO

GET IT ON Google Play

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Download on the App Store

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SAMDUO App Instructions

Scan to view the SAMDUO App user manual.

Click the link to view the SAMDUO App user manual.
https://support.samduo.com/article/usermanual/app?utm_source=qrcode&utm_medium=ow

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Technical Specifications

Product Name	SAMDUO Smart Meter
Model	SD-MB-CT
Communication	Wi-Fi (2.4 GHz), BT, LAN
Power Supply	100-260 V, 50/60 Hz
Power Consumption	<3W
Max Altitude	2000m
Temperature Range	-20~55°C
Ingress Protection	IP51
Weight	60g
Dimensions	52*29.5*17mm
Mounting	DIN rail
Voltmeters	100-260V
Voltmeters Accuracy	±1%
Ammeters	0-100A
Ammeters Accuracy	+1 %(2-100 A), +2 % (1-2 A), +5 % (0-1 A)

*Product specifications may change without prior notice.