

# Contact us 联系我们

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<https://new.abb.com/low-voltage>



Warning! Installation by person with electrotechnical expertise only.  
警告! 只能由具有电气技术专业知识的人安装。



QR Code for online User Manual.  
扫二维码获取在线用户手册。

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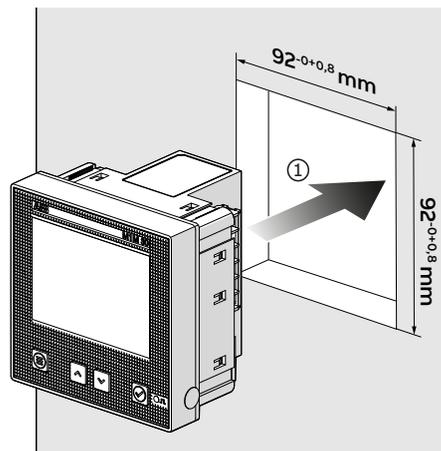
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中国地区服务电话:400-820-9696

## 1. Packaging Content

- Power Meter M1M 30
- Installation Manual
- Calibration Certificate
- Installation accessories (removable terminals, fixing clips)

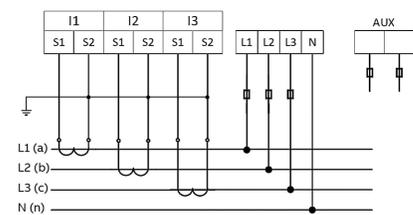
## 2. Installation

### 2.1. Assembly

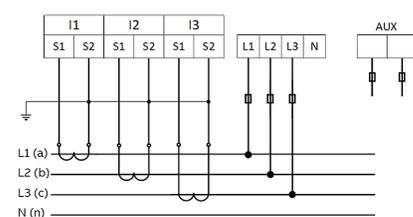


## 3. Wiring Diagram

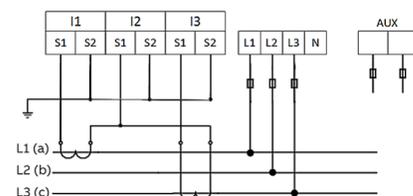
3-Phase 4-wire network with 3 CTs (3N3T)  
三相四线 3个电流互感器 (3N3T)



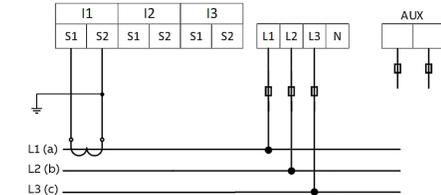
3-Phase 3-wire network with 3CTs (3 3T)  
三相三线 3个电流互感器 (3 3T)



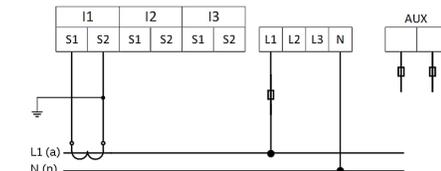
3-phase 3-wire network with 2CTs (3 2T)  
三相三线 2个电流互感器 (3 2T)



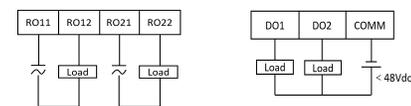
3-Phase 3-wire network with 1CT (3 1T)  
三相三线 1个电流互感器 (3 1T)



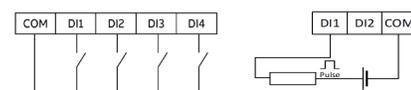
1-Phase 2-wire network with 1CT (1N1T)  
单相两线 1个电流互感器 (1N1T)



Relay outputs (M1M 30 I/O Pro only)  
继电器输出 (仅M1M 30 I/O Pro)



Digital inputs (M1M 30 I/O Pro only)  
数字输入 (仅M1M 30 I/O Pro)



## 4. Operating instructions

## 4.操作说明

18-07-2024  
2CSG445090D1001

### M1M 30

Power Meter

## INSTALLATION MANUAL

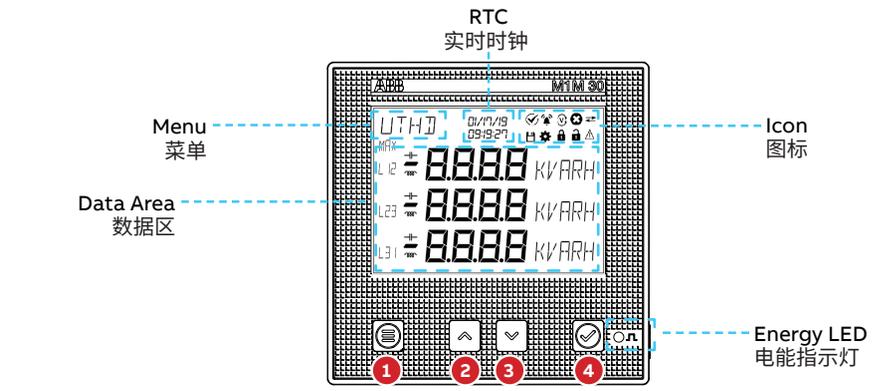
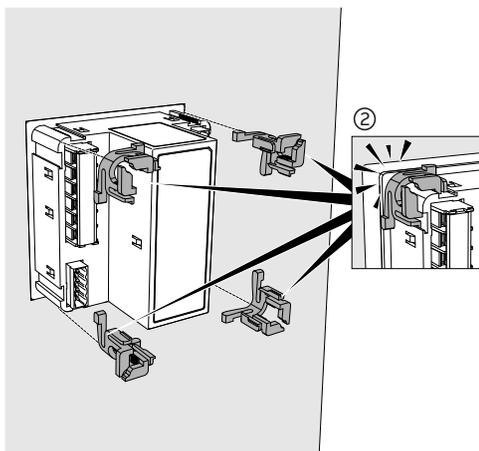
### 电力智能监控仪表 安装说明书

### 1. 包装清单

- 电力智能监控仪表 M1M 30
- 安装手册
- 校准证书
- 安装配件(可拆卸端子,固定夹)

### 2. 设备安装

#### 2.1. 安装



Button	Functions
1 Menu	Access the menu and navigation
2 Up	Navigate in the measurements or change a configuration value
3 Down	
4 Enter	Confirm an action and navigation

#### 4.1. Data entry procedure

- Press "Up" to increase the numerical characters from 0 to 9, until the required character is obtained.
- Press "Down" to move the cursor in order to add a second digit to the number.
- Repeat the operations described in steps 1 and 2 until the desired number is obtained, press "Enter" to confirm the number.

## 5. First Commissioning

To start to use the M1M it is mandatory to configure the basic setting (password, RTC, type of network, CT ratio and VT ratio).

### 5.1. Setting password

The password is composed by 4 numerical characters. In order to select each numerical character, it is necessary to use button "Up" or "Down" and confirm the password with "Enter".

**i** At first use, the password shall be defined. In order to disable the password, please enter 0000.

### 5.2. RTC

Setting date (MM/DD/YY) and time (hh:mm:ss) is needed in order to use the time-related functionalities on the device (Historicals).

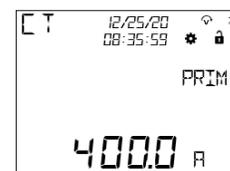
### 5.3. Type of network

Select the type of network among the following ones:

Type	Description
3N3T	Three-phase, four-wire and three-transformer
3 3T	Three-phase, three-wire and three-transformer
3 2T	Three-phase, three-wire and two-transformer
3 1T	Three-phase, three-wire and one-transformer
1N1T	Single-phase, two-wire and one-transformer

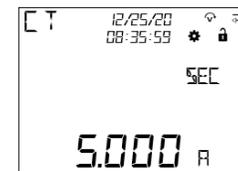
### 5.4. Current Transformer ratio

- Enter the current transformer primary and select the magnitude, and confirm it by pressing "Enter".
- Select the current transformer secondary, and confirm it by pressing "Enter".



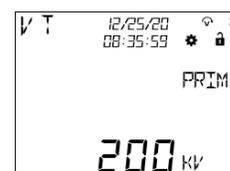
### 5.4. 电流互感器设置

- 输入电流互感器初级值并选择量级后,按"确认"键确认。
- 选择电流互感器次级值,按"确认"键确认。



### 5.5. Voltage Transformer ratio

- Enter the voltage transformer primary and select the magnitude, and confirm it by pressing "Enter".
- Enter the voltage transformer secondary, and confirm it by pressing "Enter".



### 5.5. 电压互感器设置

- 输入电压互感器初级值并选择量级后,按"确认"键确认。
- 输入电压互感器次级值,按"确认"键确认。

