

CCT501402

Wiser™

Schneider Electric

en

zh

1



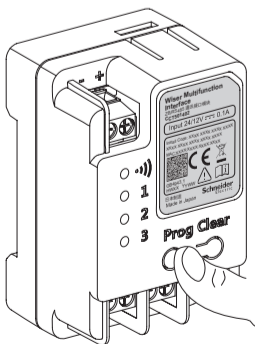
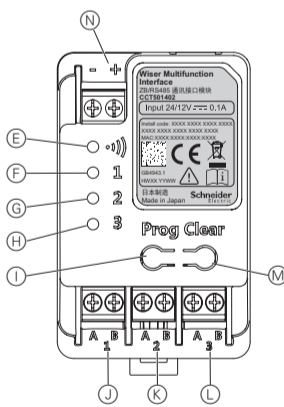
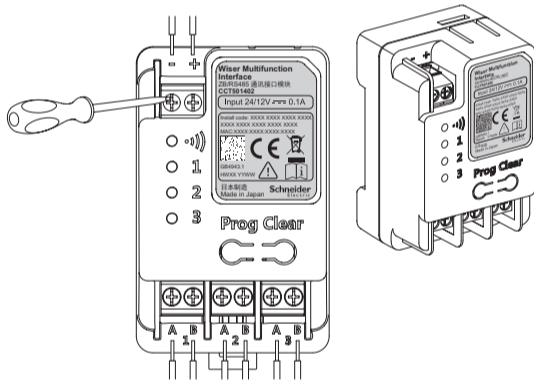
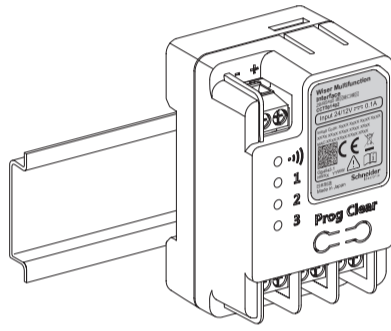
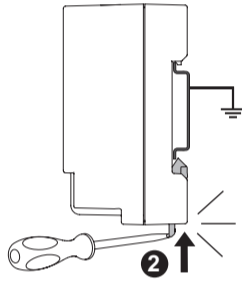
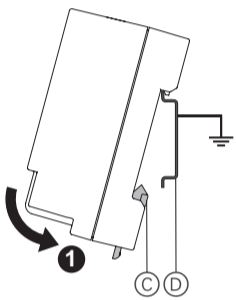
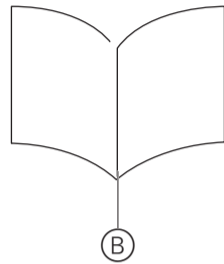
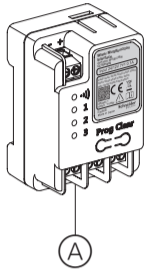
2



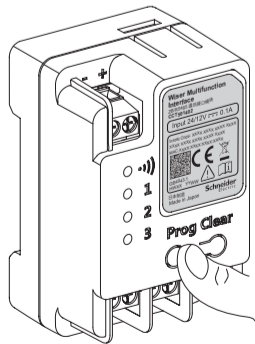
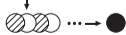
Mobile app



Works with Wiser Hub CCT501900. Refer to system user guide for more information. https://download.schneider-electric.com/files?p_Doc_Ref=MFR1569800



1x Short press <1 s



1x Long press >10 s



	Flashing Orange		Flashing Red
	Green		Orange

en

Wiser Multifunction Interface

CCT501402

For your safety

⚠️ DANGER

RISK OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- This product must only be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- This product must only be used for the purpose described in these instructions and must be installed in accordance with the wiring rules and regulations in that location.
- Observe the regulations while working on live parts.
- Isolate the electrical supply before doing any work on this product.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.

Failure to follow these instructions will result in death or serious injury.

Prerequisites

Scan the QR code to download the Wiser by SE app to your smartphone to configure and control the Wiser Hub.



App Store URL: <https://itunes.apple.com/us/app/wiser-by-se/id1026806919?ls=1&mt=8>



Google Play URL: <https://play.google.com/store/apps/details?id=com.schneiderelectric.WiserBySE>

Getting to know the product

The Wiser Multifunction Interface (the device) is designed to work with VRF HVAC systems and floor heating systems.

It has three physical RS485 interfaces and each interface can be configured with up to 8 Modbus slave devices.

Refer to the system user guide for the list of supported devices.

Package contents

- (A) Wiser Multifunction Interface
- (B) Installation instructions

Connection elements

- (C) DIN rail clip
- (D) DIN rail

The DIN rail is not included in the package.

Mounting the device

The device is mounted on a DIN rail.

Connecting the device

⚠️ DANGER

RISK OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- When working on the device, always disconnect the device from the power supply. The output can carry electrical current when the load is turned off.
- Turn off the Miniature Circuit Breaker (MCB) before installation, maintenance or service (or replacement of the load) of the device.

Failure to follow these instructions will result in death or serious injury.

⚠️ DANGER

RISK OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

Make sure that the 12/24 VDC power supply is turned off before making connections to the device.

Failure to follow these instructions will result in death or serious injury.

NOTICE

INOPERABLE EQUIPMENT

The device should be used indoors only in a clean and dry environment.

Failure to follow these instructions can result in equipment damage.

- It is recommended to use Schneider Electric Phaseo ABL8MEM12020 12 VDC power supply.
- The length of the power cable between the DC power supply and the device must not exceed 3 m.

Operating elements

- (E) Network status LED
- (F) RS485 port 1 LED
- (G) RS485 port 2 LED
- (H) RS485 port 3 LED
- (I) Programming button
- (J) Terminals for RS485 port 1
- (K) Terminals for RS485 port 2
- (L) Terminals for RS485 port 3
- (M) Clear button
- (N) Terminals for power supply (12/24 VDC)

Setting the device

Prerequisites

- The device should be in factory default mode. All interfaces and power supply should be properly connected.
- The device can be configured through the web page according to the different settings of the supported VRF HVAC system and floor heating systems.

Connecting to the Wiser Hub

Resetting the device

All configuration data, user data, and network data are deleted.

Operating the device

The device can be configured through the web page of Wiser Hub and can be controlled by the Wiser by SE app.

For detailed configuration procedures, refer to the System user guide.

Behaviour of the LEDs

Refer to the system user guide.

Troubleshooting

Refer to the system user guide.

Technical data

Power supply	12/24 VDC, 100 mA
Communication interface	RS485 × 3 (through 2-pole screw terminals) Zigbee: 2.4 GHz, IEEE802.15.4 compliant
Operating frequency	2405-2480 MHz (Zigbee)
Max. radio frequency power transmitted	<10 mW (Zigbee)
Connector type	3× 2-pin terminal block (for RS485) 1× 2-pin terminal block (for external power supply) Cable type: 0.06 mm ² to 3.3 mm ² (30 AWG to 12 AWG)
IP rating	IP20
Operating temperature	-10 °C to 45 °C, indoor use only
Relative humidity	10% to 90%, non-condensing
Dimensions (H × W × D)	77 × 46 × 41 mm
Certification	CE compliant

Trademarks

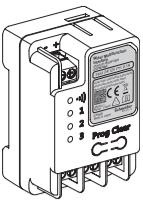
- Apple® and App Store® are brand names or registered trademarks of Apple Inc.
- Google Play™ Store and Android™ are brand names or registered trademarks of Google Inc.
- Wiser™ is a trademark and the property of Schneider Electric SE, its subsidiaries and affiliated companies.
- Zigbee® is a registered trademark of the Zigbee Alliance.

Other brands and registered trademarks are properties of their relevant owners.

Schneider Electric Asia Pacific Limited

11th Floor, Kerry Centre, 683 King's Road, Quarry Bay, Hong Kong

se.com/contact



en zh

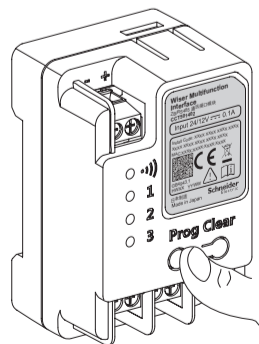
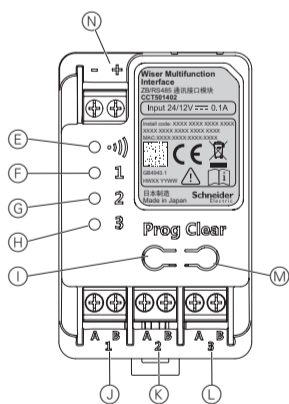
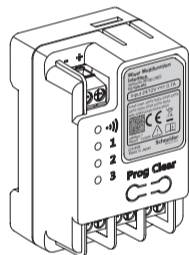
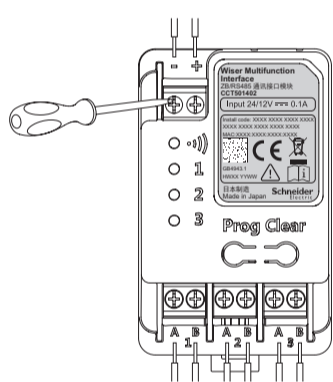
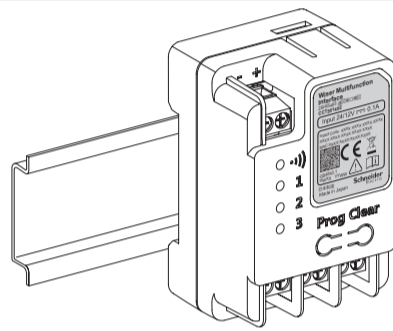
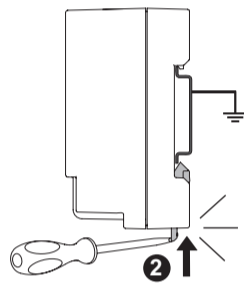
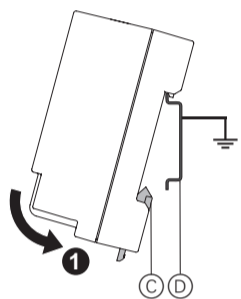
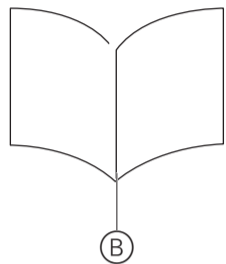
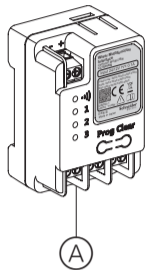


CCT501402

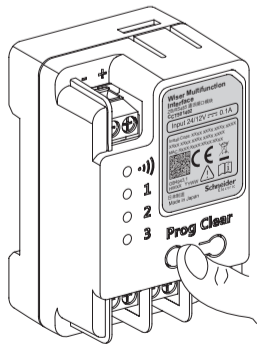
Wiser



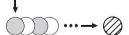
该产品与Wiser网关CCT501900 或 CCT501400_C1 匹配工作请参考 https://download.schneider-electric.com/files?p_Doc_Ref=MFR1569800



短按1次 (<1s)



长按1次 (>10s)



zh

ZB/RS485通讯接口模块
CCT501402

安全提示

⚠️ ⚠️ 危险

触电，爆炸或电弧闪光危险

- 本产品应仅由具有相应资质和/或获得相应证书的电气人员进行安装和维护。
 - 本产品应仅用于本说明书中所述的用途，且必须根据接线规则和当地法规进行安装。
 - 操作带电部件时请遵守相关规则。
 - 对产品进行任何操作之前，务必切断电源。
 - 重新连接电源之前，本产品必须正确安装且经过测试，确保操作的安全性。
- 若不遵守此说明，则可能会导致死亡或重伤。

前提条件

扫描二维码下载 Wiser by SE app 到您的智能手机，以配置和安装 ZB/RS485通讯接口模块



App Store 的 URL:
https://itunes.apple.com/us/app/wiser-by-se/id1026806919?ls=1&mt=8



Android App 的 URL:
https://www.schneider-electric.cn/zh/download/document/ECATA0101/

产品简介

ZB/RS485 通讯接口模块专用于与（本设备）VRF HVAC 系统和地板采暖系统共同使用。

有三个物理 RS485 接口，每个接口最多可配置 8 个 Modbus 子设备。

有关受支持设备的列表，请参阅系统用户指南。

包装内容

- Ⓐ ZB/RS485通讯接口模块
- Ⓑ 安装说明书

连接元件

- Ⓒ DIN 轨道夹
- Ⓓ DIN 轨道

包装内不包含 DIN 轨道。

安装设备

设备安装在 DIN 轨道上。

连接设备

⚠️ ⚠️ 危险

触电，爆炸或电弧闪光危险

- 当在设备上操作时，请务必断开设备电源连接。因为即使是在负载关闭的情况下，在输出端也可能会有电流
 - 请在切断断路器 (MCB) 后再对设备执行安装，维护或维修（或负载更换）等操作。
- 若不遵守此说明，则可能会导致死亡或重伤。

⚠️ ⚠️ 危险

触电，爆炸或电弧闪光危险

连接设备之前，必须关闭 12 VDC 电源。
若不遵守此说明，则可能会导致死亡或重伤。

注意

设备无法操作

设备应仅用于干净且干燥的室内环境中。
若不遵守此说明，则可能会导致设备损坏。



- 建议使用 Schneider Electric Phaseo ABL8MEM12020 12 VDC 电源。
- DC 电源和设备之间的电源线长度不得超过 3 m。

操作元件

- Ⓔ 网络状态 LED
- Ⓕ RS485 端口 1 LED
- Ⓖ RS485 端口 2 LED
- Ⓗ RS485 端口 3 LED
- Ⓘ 编程按键
- Ⓙ RS485 端口 1 的端子
- Ⓚ RS485 端口 2 的端子
- Ⓛ RS485 端口 3 的端子
- Ⓜ 清除按键
- Ⓝ 电源端子 (12/24 VDC)

设置设备

前提条件

- 设备应处于出厂默认模式，且所有接口和电源均应正确连接。
- 可通过网页对所支持的 VRF HVAC 系统和地板采暖系统进行配置。

与智能ZB/IP网关连接



重置设备



所有配置数据，用户数据和网络数据均被删除。

操作设备

设备可通过智能 ZB/IP 网关的服务器网页进行配置，并通过 Wiser by SE app 进行控制。

有关配置程序的详细信息，请参阅系统用户指南。

LED 行为

请参阅系统用户指南。

故障排除

请参阅系统用户指南。

技术参数

电源	12/24 VDC, 100 mA
通信接口	RS485 × 3 (通过 2-pole 螺钉端子) Zigbee: 2.4 GHz, 符合 IEEE802.15.4 标准
工作频率	2405-2480 MHz (Zigbee)
最大射频发射功率	<10 mW (Zigbee)
连接器类型	3 × 2 脚接线端子 (用于 RS485) 1 × 2 脚接线端子 (仅用于外部电源) 电缆类型: 0.06 mm ² - 3.3 mm ² (30 AWG - 12 AWG)
IP 等级	IP20
工作温度	-10 °C - +45 °C, 仅限室内环境使用
相对湿度	10% - 90%, 无冷凝的情况下
尺寸 (H × W × D)	77 × 46 × 41 mm
认证	符合 CE 标准

部件名称 Part Name	有害物质					
	铅 Pb	汞 Hg	镉 Cd	六价铬 Cr(VI)	多溴联苯 PBB	多溴二苯醚 PBDE
金属件 Metal parts	o	o	o	o	o	o
塑料件 Plastic parts	o	o	o	o	o	o
电子件 Electronic	x	o	o	o	o	o
触点 Contacts	o	o	o	o	o	o
线缆和线缆附件 Cables and cabling accessories	o	o	o	o	o	o

本表格依据 SJ/T11364 的规定编制。

o: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

x: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

商标

- Wiser™ 是施耐德电气及其子公司和附属公司的商标和财产。
 - Zigbee® 是 Zigbee Alliance 的注册商标。
 - Apple® 和 App Store® 是 Apple Inc. 的品牌名称或注册商标。
 - Android™ 是 Google Inc. 的品牌名称或注册商标。
- 所有其他品牌和注册商标均为其各自所有者的财产。

施耐德电气(中国)有限公司

北京市朝阳区望京东路六号A座

客户支持热线: 400 810 1315

se.com/contact