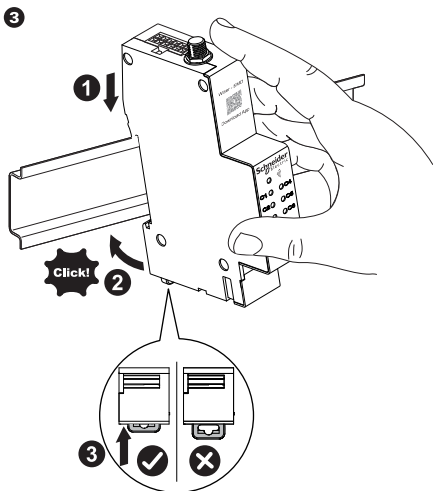
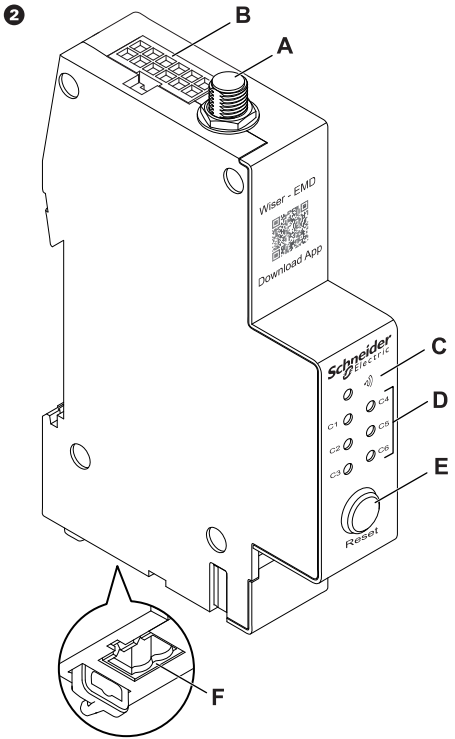
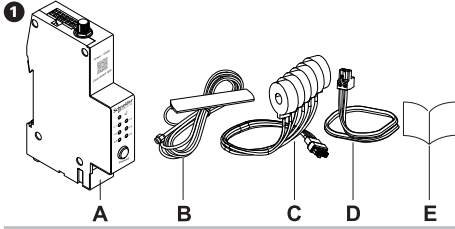
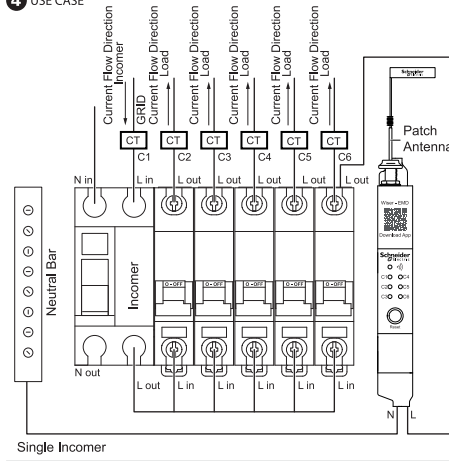


ENMOD1P

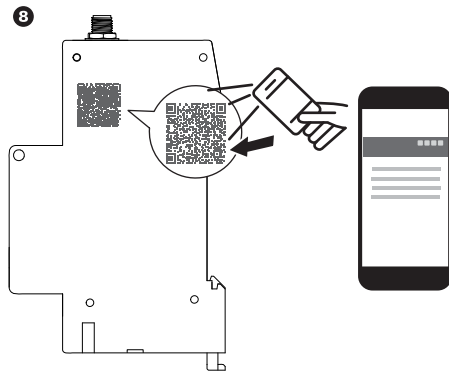
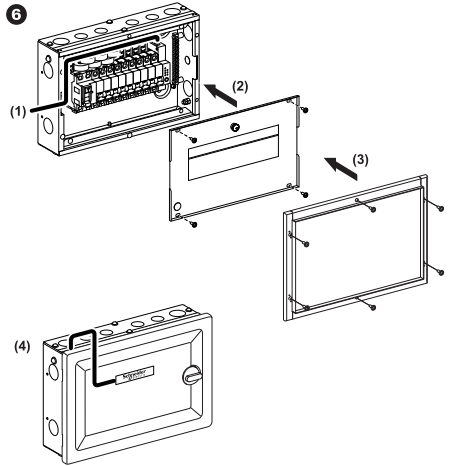
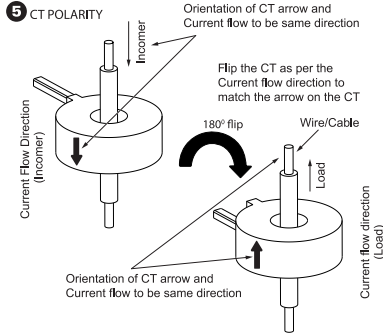


4 USE CASE

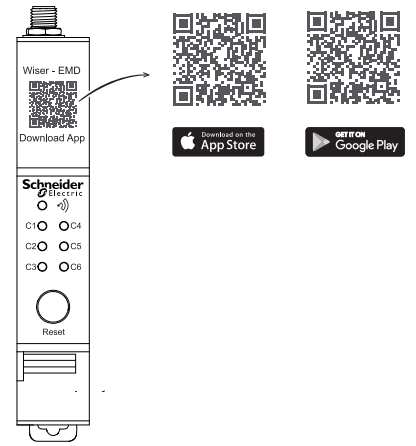


Single Inverter

5 CT POLARITY



9



Energy Monitoring Device

About this product

ENMOD1P is a 6 Channel 1 pole communication energy monitoring device. It is compatible to Acti9 and Easy9 bottom feed Bi-connect MCB with busbar relief, or any other make of MCB rating up to 80A.

With its ability to connect to Wi-Fi, it enables convenient circuit monitoring. The EMD is designed to accurately measure real-time values of active energy, active power, current, voltage, and power factor and thereby providing overall Energy Management and Load Monitoring.

The accuracy of the product is class 2. It can be mounted on the DIN rail along with protection device in the Distribution Board. One of the key features of the EMD is its support for data availability through the Wiser app for iOS and Android, which allows users to access and monitor the data for the connected circuits.

Exchange of CTs Warning: CTs and EMD device are not interchangeable with other EMD devices and CTs. Check MAC ID marking on the product and CT-Connector for confirmation.

RTC Battery Note: This product incorporates an internal RTC battery that supports time stamping. The product requires a minimum of 10-12 hours to fully charge the RTC Battery from a fully drained state if stored for a period beyond 6 months. Please note that time stamping may be limited during the initial use before fully charged.

Use Case - SPN Note: This product is intended for single-phase energy monitoring only. In the event that EMD is used in a three-phase distribution box, all the CTs and power supply input of EMD need to be connected to any one particular single phase (either R/Y/B). CTs are not supposed to be connected across different phases.

1 Package contents

- A Energy monitoring device
- B Patch antenna
- C Current transformer (CT) with connector
- D Power cable with connector
- E Installation instructions

2 Operating elements

- A Patch antenna connector
- B Current transformer (CT) connector
- C Network LED indicator
- D Channel LED indicators
- E Reset button
- F Power cable with connector

③ Mounting the device

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Install this product in accordance with national wiring regulation.

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

1. Turn off all power supply sources before installing of this device.
2. Mount the device firmly on the DIN rails.
3. Secure the device using locking clip.
4. Connect the CT based on CT polarity direction on incomer and loads to be measured. Refer drawing 4 and 5 for current flow direction.
5. Connect the patch antenna as per the instruction 6.
6. Connect the power cable connector as per the instruction 4.

④ Wiring diagram and electrical connections (Use case)

Connect the power cable connector to the adjacent circuit breaker as per instruction 4 of the guidelines. Also, connect the neutral cable to the neutral bar.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Turn off all power supply sources before installing and during maintenance of this equipment.

Use a voltage tester with a suitable rated voltage in order to check that all active conductors aren't energized.

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

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

The CTs are equipped with an internal Burden Resistor (BR) to ensure user safety. However, in case of very high transients in CT there is a possibility of failure in the internal BR. So please avoid touching/accessing the CT wire or connector pins directly. Ensure CTs are disconnected from load cables before attaching or detaching the connector from the EMD device. Failure to follow these instructions will result in death or serious injury.

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

⑤ CT polarity

Refer drawings 4 and 5 for the current flow direction.

⑥ Wiring of patch antenna

1. Pass the patch antenna through the left slot of the front plate in the distribution box.
NOTE: Make sure to have the excess wire length for flexibility.
2. Secure the devices with the center plate using screws.
3. Secure the devices with the frame using screws.
4. Affix the patch antenna on the door panel.
5. For other distribution box (DB) brands use available gaps to pass the wire safely (should not pinch or damage the wire) to the front of the DB door and affix the patch antenna on the door. Failure to do so will result in network connectivity issues.

⑦ Reading the full device guide online

Scan the QR code for complete information about the device, including operation, configuration and using the product.

⑧ Web landing page

Scan the QR code for complete information about the product.

⑨ Download App

Scan the QR code to download the Wiser App.

Technical data

Technical	
Power supply	
Phase	Single phase
Rated voltage	90-300V AC
Power consumption	3W
Sensor/CT	
Number of sensors	5+1 (5 outgoing and 1 incoming)
Rating of sensors	Incomer 80 A and outgoing 80 A
Connection between sensors and Meter/Reader	Wired
Sensor/CT footprint	OD 38 mm x 14 mm Thickness
CT hole diameter	ID 12.5 mm
CT type	Solid
Communication	
Supported protocols	Wi-Fi® (2.4 GHz)
Over-the-Air (OTA) firmware updates	Yes
Offline data recording	2 months data logs

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