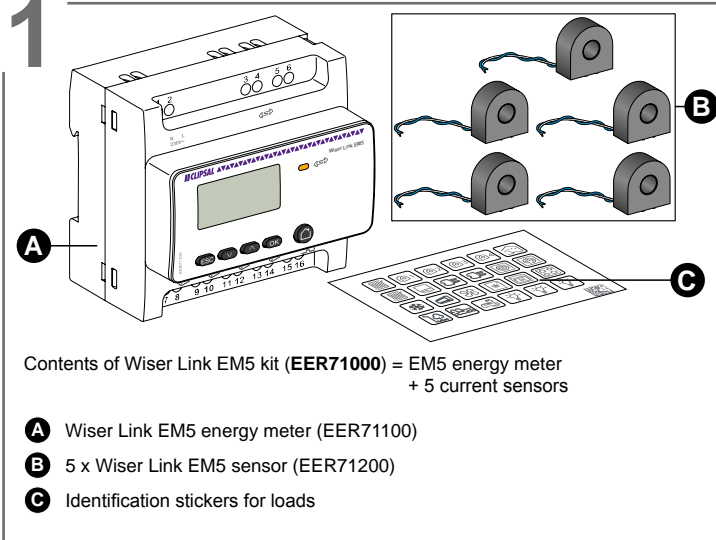




1

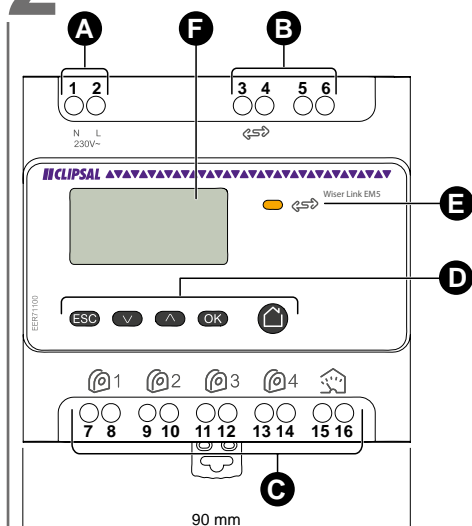


i This instruction sheet must be kept for further use.
Visit our website www.clipsal.com to download the technical documents of Wiser Link products.

PLEASE NOTE

- This equipment must be installed and maintained by a qualified electrician.
- All relevant local, regional and national regulations must be followed during the installation and the use of this equipment.
- The manufacturer assumes no responsibility in case of failure to follow the instructions given in this document.

2 Description

**A Power supply**

1 - 2: Power supply (Neutral - Line)

B Communication ports

3 - 4: Connection to IP Module (EER70600)

5 - 6: Do not use

C Current sensors inputs

7 - 8: Sensor for Load 1

9 - 10: Sensor for Load 2

11 - 12: Sensor for Load 3

13 - 14: Sensor for Load 4

15 - 16: Sensor for Total Home

D Control keypad

- ESC** Cancel or leave menu
- Δ / ▽** Navigation
- OK** Display: energy (kWh) or power (W)
Settings: confirm Change
- Home** Display: main menu or Total home

E Communication indicator

Communication LED with Wiser Link MIP

Orange flashing: normal operation

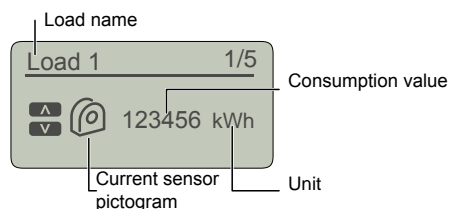
LED off: no communication

F LCD screen

Total home: Measurement of Main incomer

Load 1, 2, 3, 4: The name of each load can be changed via embedded webpages / Wiser Link application

Example of load: "Load 1"

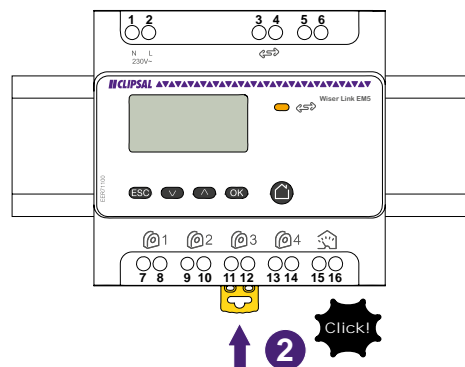
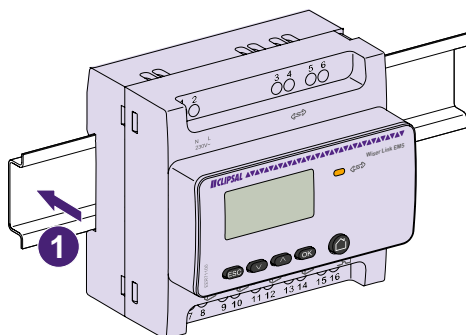


3 Installation

⚠ ⚠ DANGER**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

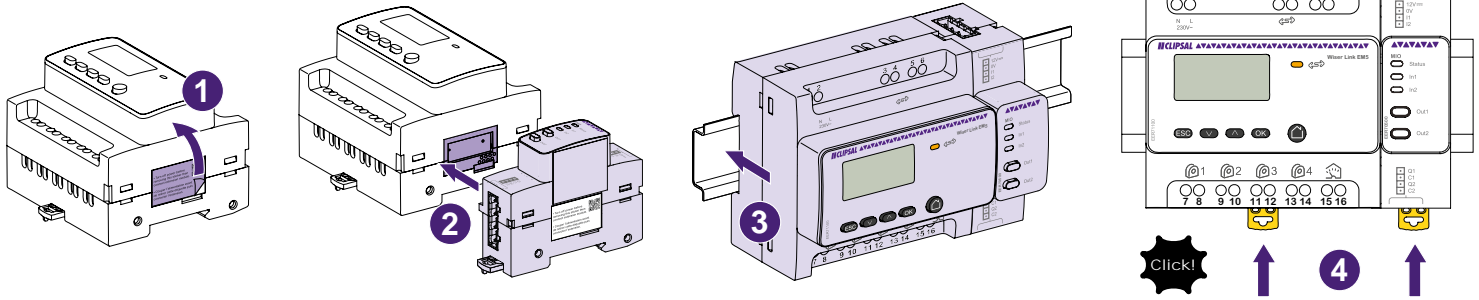
- Disconnect all power supply sources before installing this equipment.
 - Do not remove the side protection sticker of Wiser Link EM5 unless an extension module is being added.
- Failure to follow these instructions will result in death or serious injury.

3.1 Installation without extension module



3 Installation

3.2 Installation with extension module (see catalogue)



PLEASE NOTE
Maximum 3 extension modules can be connected.

4 Wiring

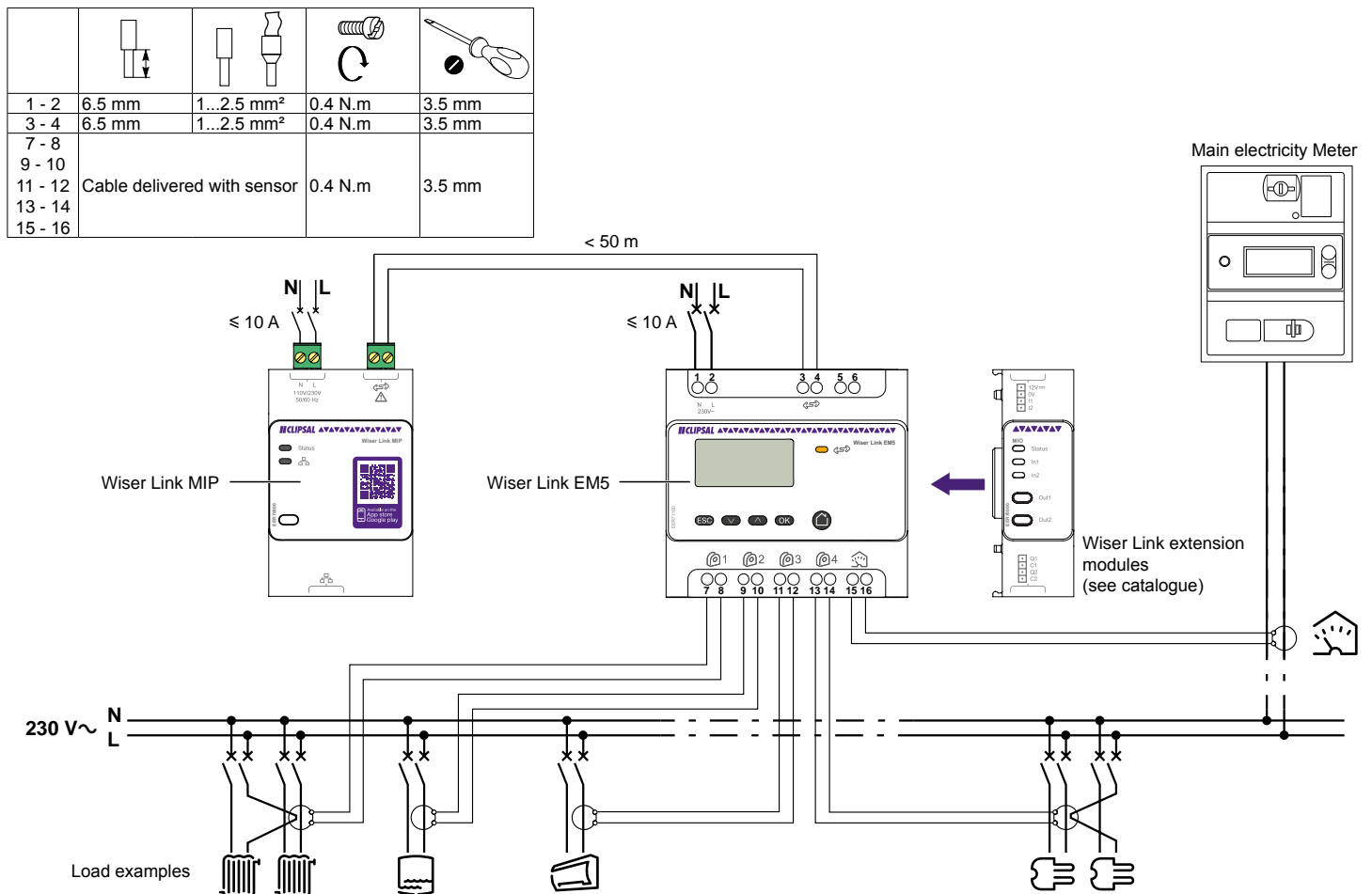
⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
Disconnect all power supply sources before installing this equipment.
Failure to follow these instructions will result in death or serious injury.

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
Do not connect 230 V~ on terminals 3 - 4 of Wiser Link EM5. These terminals can only be used for communication with Wiser Link MIP.
Failure to follow these instructions will result in death or serious injury.

4.1 Installation general diagram



4 Wiring

4.2 Sensors wiring

⚠ ⚠ DANGER

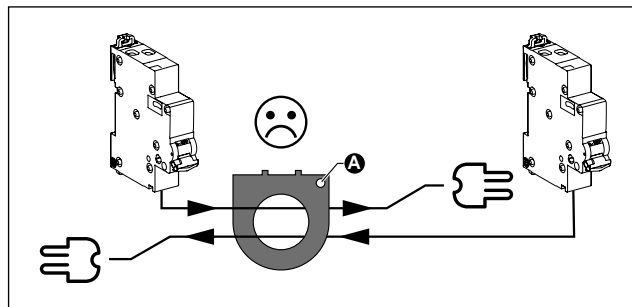
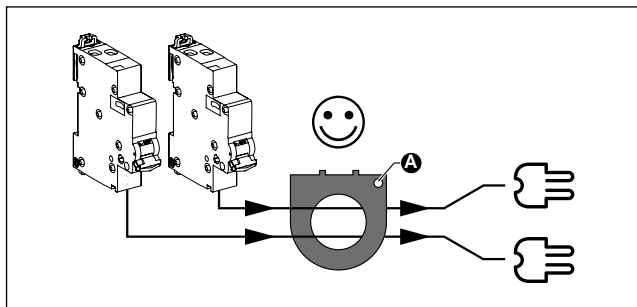
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Disconnect all power supply sources before installing this equipment.

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

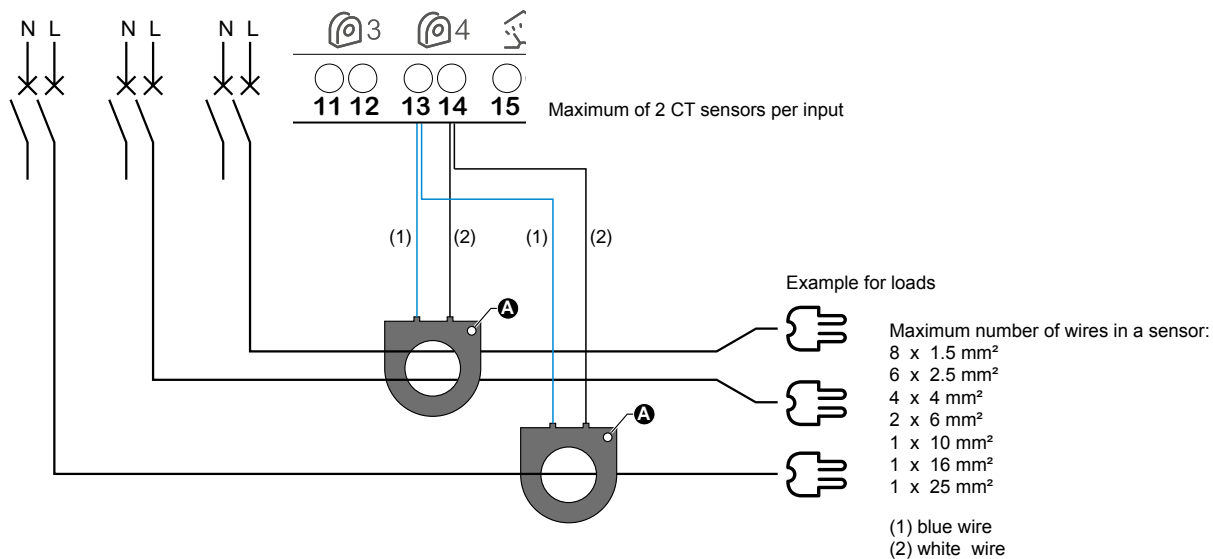
PLEASE NOTE

- Pass only the phase wire or neutral wire through the sensor for metering of each circuit.
- To measure several circuits with the same sensor, pass the wires in the same direction through the sensor.

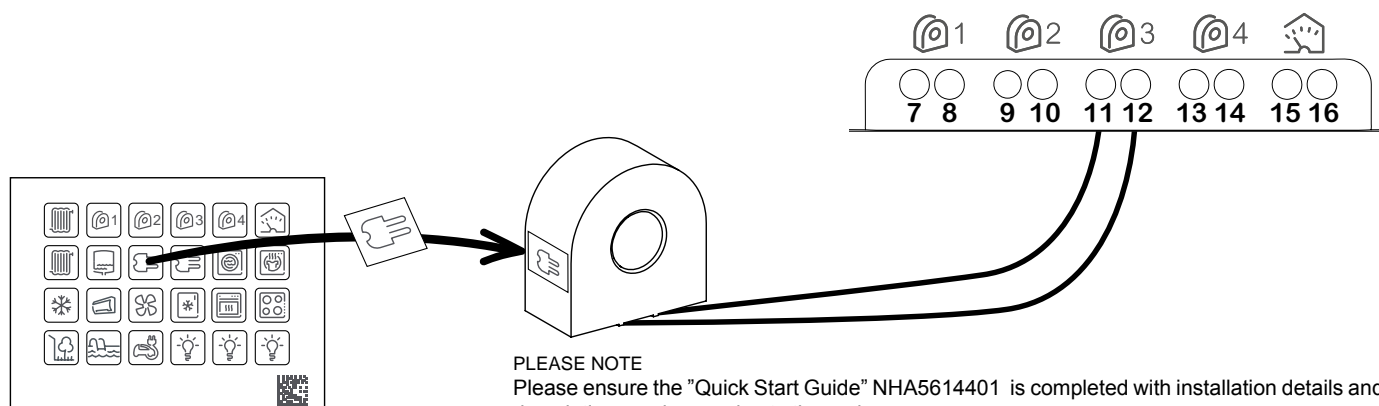


PLEASE NOTE

- Maximum of 2 CT sensors can be connected to each Wiser Link EM5 input.
- If connecting 2 CT sensors to one input, ensure the matching coloured CT sensor wires are joined (indicated by (1) and (2)). Ensure both CT sensors are in the same direction as indicated by white dot **A**.



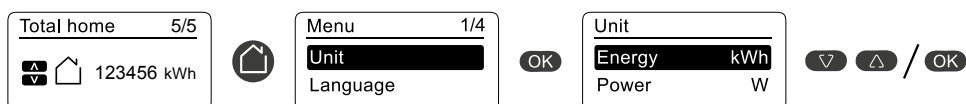
5 Identification



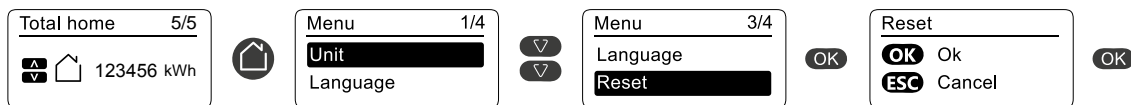
6

Changing settings

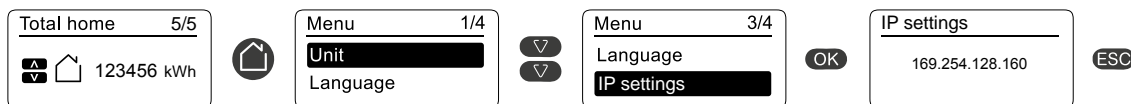
Change the unit



Reset *



IP settings**



About

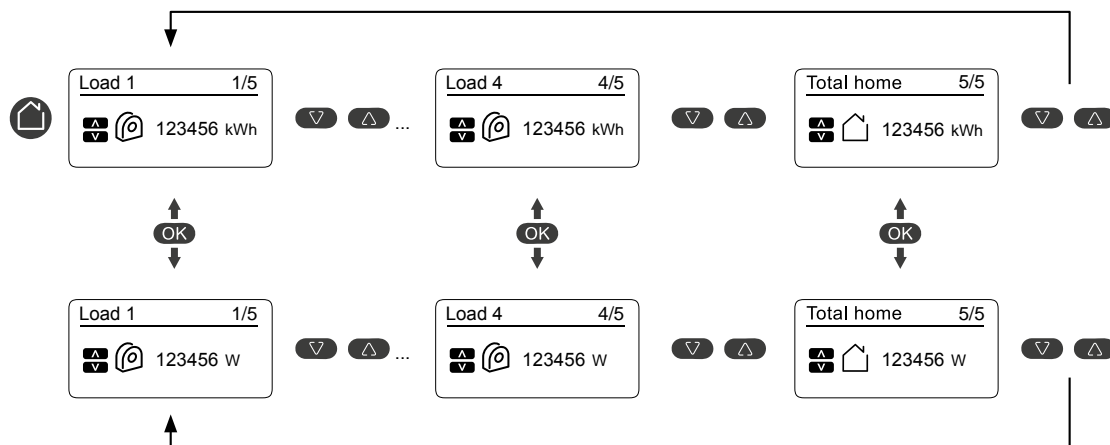


* Resetting consumption can only be done when the Wiser Link EM5 energy meter is not connected to Wiser Link MIP.

** IP settings can only be done when the Wiser Link EM5 energy meter is connected to Wiser Link MIP.

7

Operation



8

Technical data

- Power supply: 230 V~ ±15%
- Frequency: 50-60 Hz
- Sensor rating: 0.1-80 A
- Maximum consumption: 9 VA
- Operating temperature : -25 °C ... +50 °C
- Measurement accuracy for active power: Class 2 according to IEC 61557-12 (Ib = 20 A)
- Overvoltage category: III
- Pollution degree: 2
- Measurement category III according to IEC 61010-2-30
- Metering:
 - Range: 999 999 kWh
 - Display: kWh or W
 - minimum display: 0.1 kWh or 20 W

- Degree of protection:
 - Front face: IP40
 - Casing: IP20
- Communication with Wiser Link MIP:
 - Bit rate: 9600 bit/s
 - Voltage: 0-24 V~ (not SELV)
 - Connection: (2 wires) non polarized cable
 - Maximum length: < 50 m
- Sensors connection:
 - Nominal current: 0 ... 50 mA
 - Voltage: 230 V~, 50 Hz
- Communication with the extension modules:
 - Connection: extension bus connector (RS 485)
 - Supplied power-supply: 24 V~ and 3.3 V~ ±10 % (not SELV).

Clipsal by Schneider Electric (Australia) Pty Ltd

33-37 Port Wakefield Road
Gepps Cross
South Australia 5094

Customer Care Centre
Tel: 1300 369 233
Email: customer care.au@schneider-electric.com
Fax: 1300 369 288
www.clipsal.com

NHA53279-03

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations.

Clipsal Australia Pty Ltd reserves the right to change specifications, modify designs and discontinue items without incurring obligation and whilst every effort is made to ensure that descriptions, specifications and other information in this catalogue are correct, no warranty is given in respect thereof and the company shall not be liable for any error therein.

© 07-2015 Clipsal Australia Pty Ltd - All rights reserved.

The identified trademarks and copyrights are the property of Clipsal Australia Pty Ltd unless otherwise noted.