

Circutor CEM M-ETH Communications Interface Instruction Manual

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SAFETY PRECAUTIONS

Follow the warnings described in this manual with the symbols shown below



DANGER

Warns of a risk, which could result in personal injury or material damage.



ATTENTION

Indicates that special attention should be paid to a specific point.

If you must handle the unit for its installation, start-up or maintenance, the following should be taken into consideration:

Incorrect handling or installation of the device may result in injury to personnel as well as damage to the device. In particular, handling with voltages applied may result in electric shock, which may cause death or serious injury to personnel. Defective installation or maintenance may also lead to the risk of fire.

Read the manual carefully prior to connecting the device. Follow all installation and maintenance instructions throughout the device's working life. Pay special attention to the installation standards of the National Electrical Code.

Refer to the instruction manual before using the device

In this manual, if the instructions marked with this symbol are not respected or carried out correctly, it can result in injury or damage to the device and /or installations.

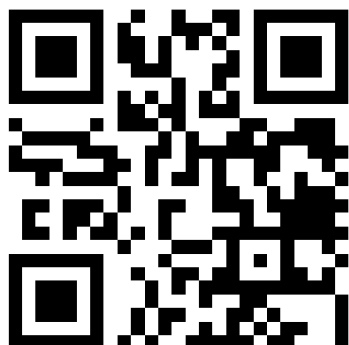
CIRCUTOR S.A.U. reserves the right to modify features or the product manual without prior notification

DISCLAIMER

CIRCUTOR S.A.U. reserves the right to make modifications to the device or the unit specifications set out in this instruction manual without prior notice.

CIRCUTOR S.A.U. on its web site, supplies its customers with the latest versions of the device specifications and the most updated manuals.

www.circutor.com



CIRCUTOR S.A.U. recommends using the original cables and accessories that are supplied with the device.

Note: The images of the devices are solely for the purpose of illustration and may differ from the original unit.

Table 1: Revision log

Date	Revision	Description
11/14	M060B01-03-14A	Initial Version
04/21	M060B01-03-21A	Circutor logo change
06/21	M060B01-03-21B	Changes in the following sections: 5.
11/22	M060B01-03-22A	Changes in the following sections: 4.5.

VERIFICATION UPON RECEPTION

Check the following points upon receiving the device:

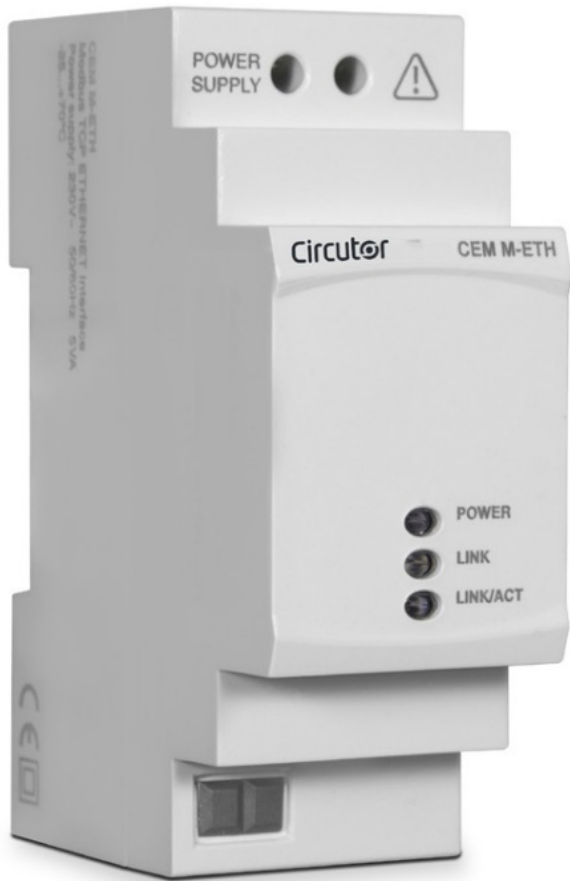
- a) The device meets the specifications described in your order.
- b) The device has not suffered any damage during transport.
- c) Perform an external visual inspection of the device prior to switching it on.
- d) Check that it has been delivered with the following:
 - An installation guide.



If any problem is noticed upon reception, immediately contact the transport company and/or CIRCUTOR's after-sales service.

PRODUCT DESCRIPTION

The CEM M-ETH optical-electric interface converts the optical service port of any device of the CEM range into an Ethernet port with MODBUS/TCP protocol.



The unit features:

- 3 indicator LEDs: POWER, LINK and LINK/ACT

The device is installed on 2-step DIN rails, on the left of any device of the CEM range

DEVICE INSTALLATION

PRELIMINARY RECOMMENDATIONS



In order to use the device safely, it is critical that the individuals who handle it follow the safety measures set out in the standards of the country where it is being used, use the necessary personal protective equipment and pay attention to the various warnings indicated in this instruction manual.

The **CEM M-ETH** device must be installed by authorised and qualified staff.

The power supply plug must be disconnected before handling, altering the connections or replacing the device. It

is dangerous to handle the unit while it is powered.

Also, it is critical to keep the cables in perfect condition in order to avoid accidents, personal injury and damage to installations.

The manufacturer of the device is not responsible for any damage resulting from failure by the user or installer to observe the warnings and/or recommendations set out in this manual, nor for damage resulting from the use of non-original products or accessories or those made by other manufacturers.

If an anomaly or malfunction is detected in the device, do not use the device to take any measurements. Inspect the work area before taking any measurements. Do not take measurements in dangerous areas or where there is a risk of explosion.



Disconnect the device from the power supply (unit and measuring system power supply) before maintaining, repairing or handling the device's connections.

Please contact the after-sales service if you suspect that there is an operational fault in the device.

INSTALLATION

On the side of the device are all of the indications adjusted to the CEI 62052-11 standard.

The device is installed on a DIN rail.

Before connecting the device, you must couple it to a CEM energy meter as shown in **Figure 1 and Figure 2**.



Documents / Resources

	<p>Circutor CEM M-ETH Communications Interface [pdf] Instruction Manual CEM, CEM-M-ETH, Q23403, CEM M-ETH Communications Interface, Communications Interface, Interface</p>
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References

- [🌀 Productos y soluciones integrales para la eficiencia energética eléctrica](#)