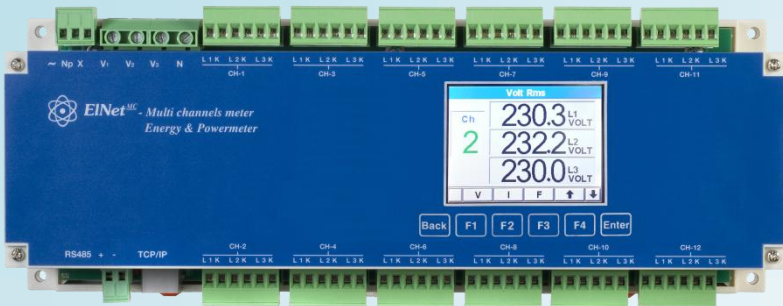


eInet^{MC} Multi channel Energy meter & Powermeter



ELNet-MC energy powermeter is a compact, multi functional, multi channel, three-phase powermeter, especially designed to meet the stringent needs of power and energy measurement in any electrical installation.

ELNet-MC includes history data logging and supports standard communication protocols BACnet and Modbus with simple integration into Building Management Systems over RS485 or Ethernet TCP. An indispensable tool for the Building Engineer, it aids efficient use of electricity by showing Power Factor, Max and Min demand, and Current in Neutral Line.

Technical Data

Power Requirements:	90 ~ 250 VAC 110 ~ 280 VDC 60/50 Hz 11VA
Dimensions (HxWxD):	110 x 300 x 60 mm
Shipping Weight:	1.25 Kg.
Environmental:	
Operation.	-20 ~ +70 °C
Storage.	-20 ~ +70 °C
Humidity	0 ~ 95 RH% non-condensing
Front Panel Protection	IP33

Communication

RS485 port:	Up to 115200 bauds Modbus and BACnet.
Ethernet (TCP/IP):	Built-in & Web Browser Capability

Input & Output Rating

Accuracy:	Active energy 0.2% Reactive energy 0.2%
Voltage: Line-Line	0 ~ 550 VAC RMS
Line-Neutral	0 ~ 950 (calculated) VAC RMS
Maximum	1000V RMS Continuous
Burden	< 0.06VA
Current: Rated	0-1 A, 0-5 A, up to 63Amp using our current transformers
Overload	50 A RMS Continuous
Withstand	100 A for 1 minute
Burden	< 0.05VA
Display:	High resolution color LCD display 320x240 pixels
Maximum Input Voltage:	1000V
Maximum Input Current:	6A
Digital input:	Up to 36 Optional, by replacing a current transformer card with a digital input card

RADIO SURTIDORA, S.A. de C.V.

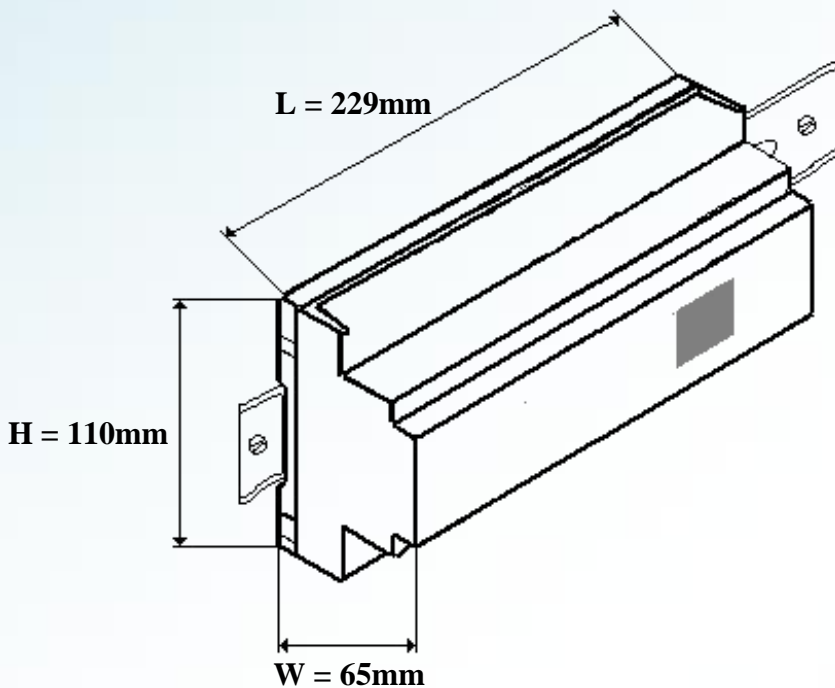
Revillagigedo #28 Col. Centro, C. P. 06050. México, D. F.
Tels. (55) 5512.71.66 / 5512.74.56 / 5518.32.12 / 5521.39.54 Fax. (55) 5518.5756
e-mail: ventas@radiosurtidora.com www.radiosurtidora.com

Measurement & Display Values in direct connection

Measurement Parameter	Display Range in direct connection (scaling factor 1)	Measuring in direct connection (scaling factor 1)	Display Range
Current	0.001 – 6A	0.001 – 6A	0.001 – 99999KA
Voltage L-N	0.001 – 6A	0.001 – 6A	0.001 – 99999KA
Voltage L-L	0.000 – 550 V	0.000 – 550 V	0.001 – 99999KV
Frequency (Hz)	0.000 – 950 V	0.000 – 950 V	0.001 – 99999KV
Active power total\phase	45.001-65.001 Hz	45.001-65.001 Hz	45.001-65.001 Hz
Reactive power total\phase			0.000W – 99999MW
Apparent power total\phase			0.000VAR - 99999MVAR
Power Factor (cap.\ind.)			0.000VA -99999MVA
Active Energy total\phase	-1.000 ÷ 1.000	-1.000 ÷ 1.000	-1.000 ÷ 1.000
Reactive Energy total\phase			0.001WH – 99999999MWH
Apparent Energy total\phase			0.001VARH - 99999999MVARH

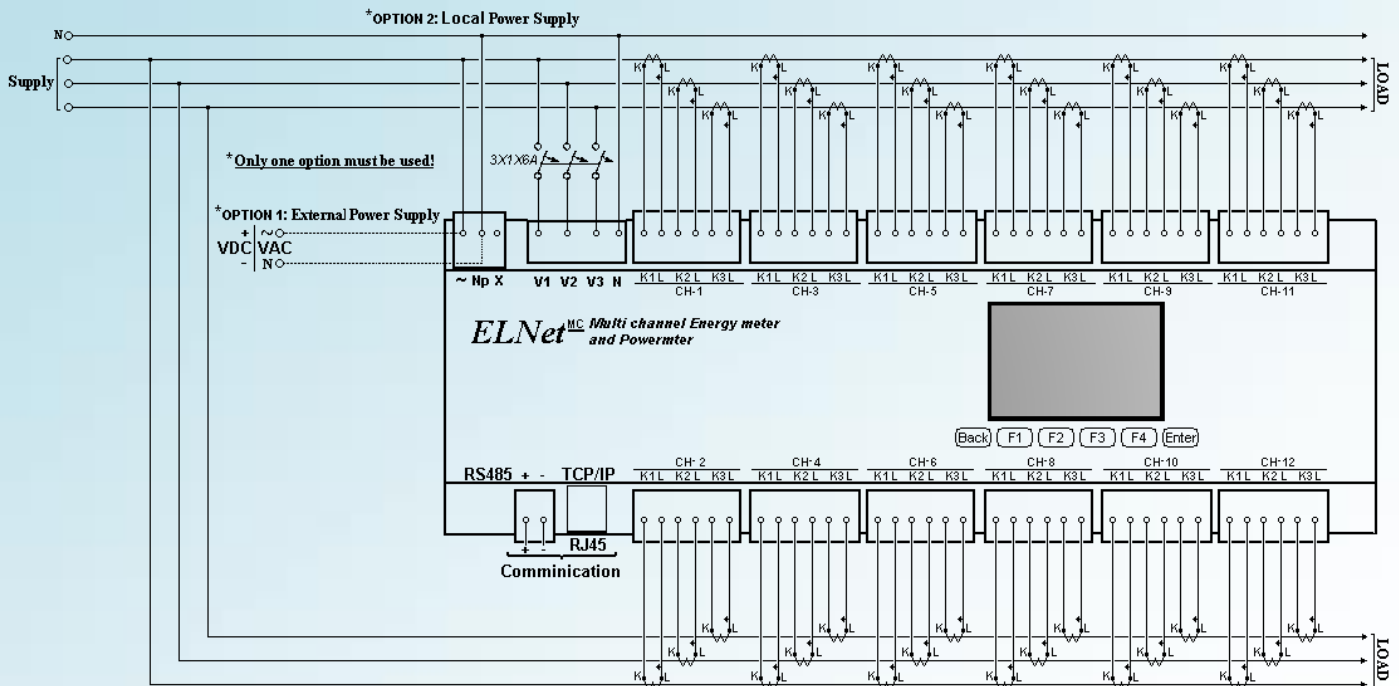
Standards

IEC 62053-22
 IEC 62053-23
 IEC 62052-11
 EN 55022, Class A, Amendments A1; A2
 EN 55024, Amendments A1; A2
 EN 61000-3-2, Class A
 EN 61000-3-3, Amendment A1
 IEC 61000-4-2
 IEC 61000-4-3
 IEC 61000-4-4
 IEC 61000-4-5
 IEC 61000-4-6
 IEC 61000-4-11

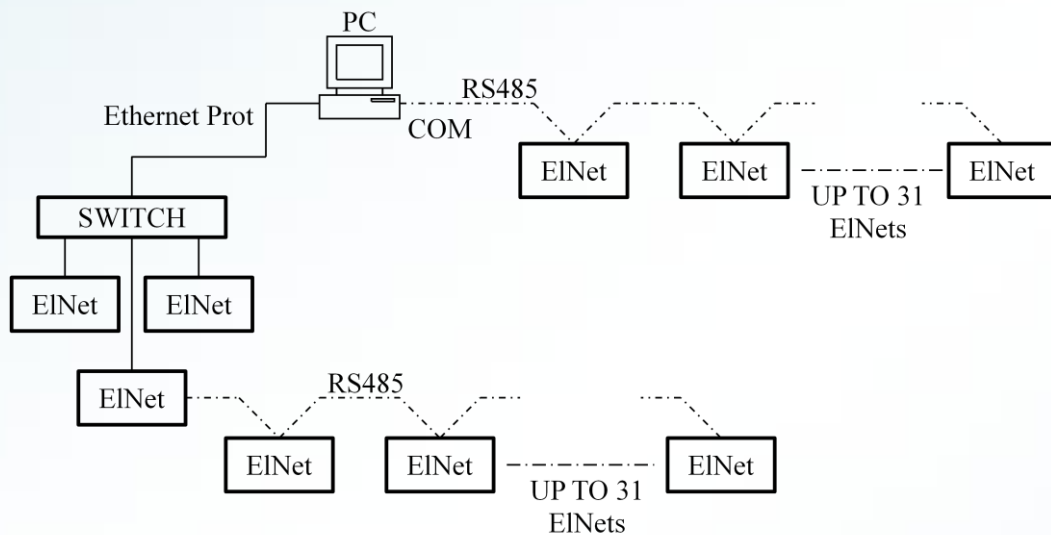


**Mechanical mounting
 DIN Rail installation**

Wiring Diagram Example



Communication Diagram Example



— TCP/IP ETHERNET (Shielded & Grounded)

- - - RS485 (Shielded & Grounded)