

Accessories

A device that, when combined with the ENERGY-VIEW software, allows the remote monitoring of the energy consumptions recorded by more meters via PC.

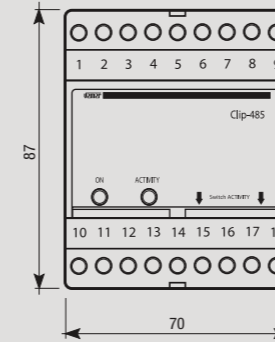


- 1 Green LED: power ON
- 2 Red LED: data transit on serial line RS-485
- 3 Selector to set the address

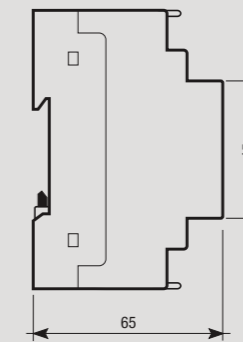
CLIP-485

DIMENSIONS (mm)

Front view

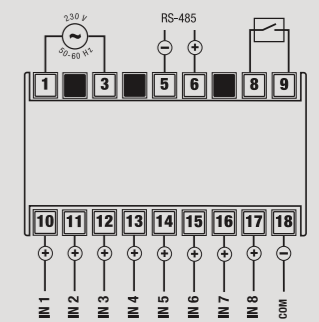


Side view



CONNECTION DIAGRAM

Diagram



MEASUREMENT AND CONTROL

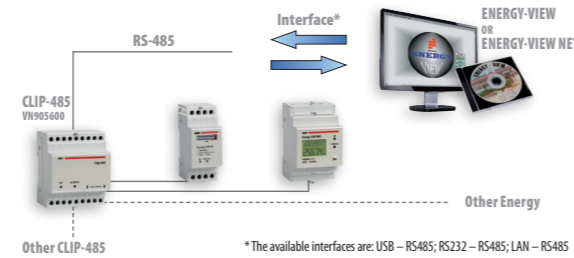
TECHNICAL INFORMATION

CONCENTRATOR MODULE

- Double price management to differentiate the costs of the energy on the basis of 2 time bands
- Power supply: 230 V AC (-15% ÷ +10%)
- Frequency 50/60 Hz
- Each concentrator module can receive a maximum of 8 signals as output from energy meters of the ENERGY series, placed at a maximum distance of 25 m
- The connection to the PC is via serial line RS-485 operating according to the "MODBUS" protocol
- Each serial line RS-485 can be connected (shielded and twisted cable minimum section 0.75 mm²):
 - up to 31 concentrator modules without using signal amplifiers, provided these are located at a distance not exceeding 1000 m
 - up to 247 concentrators modules in groups of 30 separated by suitable signal amplifiers
- Energy meters with pulse output can be connected (pulse duration 50-200 ms)

Note: the data update in the concentrator module occurs also when the PC is disconnected

485 network



GSM network



GENERAL CHARACTERISTICS

Power supply	V AC	230
Frequency	Hz	50 / 60
Absorption	VA	2
Pulse duration	ms	50-200
PC connection	"multidrop" via serial line RS-485 operating according to the MODBUS protocol	
No. of connectable meters	8	
Max distance Clip-485 - meters	m	25

MODBUS protocol characteristics:		
Transmission method	ASCII	
Transmission speed (Baud Rate)	9600 bps (bit per second)	
Format of the byte transmitted	1 start bit, 7 data bits, no parity, 2 stop bits	
Error detection method	LRC (Longitudinal Redundancy Check)	
Operating temperature	°C	-10 ÷ +45
Storage temperature	°C	-25 ÷ +70
Container	4 DIN modules	
Humidity	max 95%	
Protection	IP20 / 41 on the front	

Code	Model	Description	Dimensions
VN905600	CLIP-485	Concentrator module counters series ENERGY	4 DIN modules

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low voltage) and 2004/108/EC (E.M.C.) is declared with reference to the following standards: • Safety: EN 61010-1 • E.M. Compatibility: EN 61000-6-2 / EN 61000-6-4