



# COUNTIS ECix

## Multi-utility pulse concentrator

Single-circuit metering,  
measurement &  
analysis

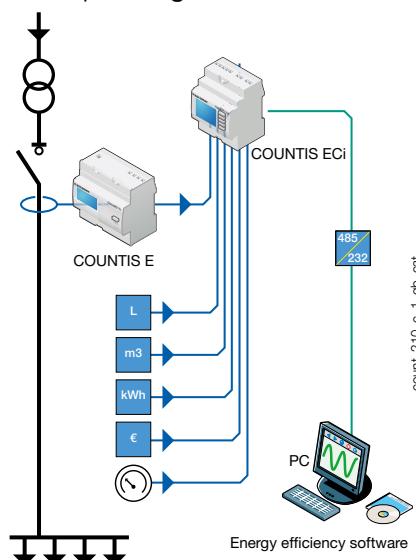


### Function

The COUNTIS ECix is a multi-utility pulse concentrator which communicates via an RS485 link using MODBUS protocol.

It enables pulses from water, gas, compressed air, electricity meters and, for the COUNTIS ECi3, the output of analogue sensors (light, temperature, wind etc.) to be registered and stored. All data, ie. total and partial meters and load curves (available for all logical and analogue inputs) can be centralised via RS485 communication using MODBUS protocol.

### Principle diagram



### Advantages

#### Up to 7 multi-utility meters and 2 analogue sensors

- 7 digital inputs + 2 analogue inputs.
- Total, partial and programmable metering (day, week, month, year).

#### Load curves

Load curves are available for each of the 7 logical inputs.

A history of average values are available for the 2 analogue inputs (ECi3).

#### RS485 MODBUS communication

- Centralisation and transmission of pulse and analogue data to a supervision station.
- Remote configuration of COUNTIS ECI device.

#### Improved customisation

- Selection of the measuring unit: kWh, m<sup>3</sup>, liters.
  - Selection of the currency unit: €, K€, £, \$.
- Values can be displayed in the unit of your choice and energy costs can be directly calculated.

Models	Key characteristics
ECi2	7 insulated inputs
ECi3	7 insulated inputs + 2 analogue inputs.

### The solution for

- Data centres
- Industry
- Infrastructure



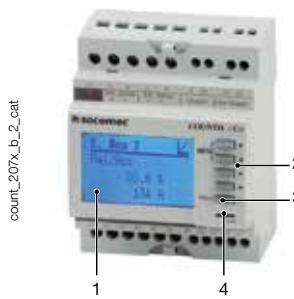
### Strong points

- Up to 7 multi-utility meters and 2 analogue sensors
- Load curves
- RS485 MODBUS communication
- Improved customisation

### Management software

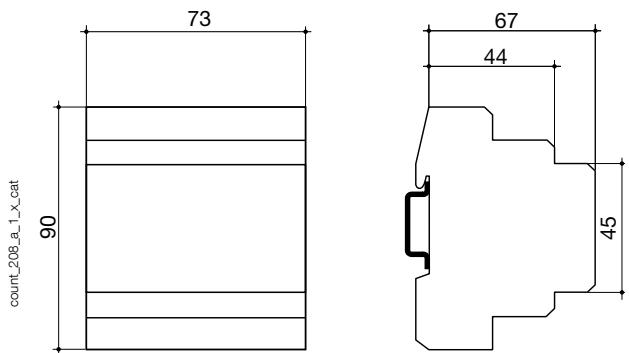
- To get the most effective use from your Socomec measurement and metering devices, we offer a range of dedicated software tools.

## Front panel



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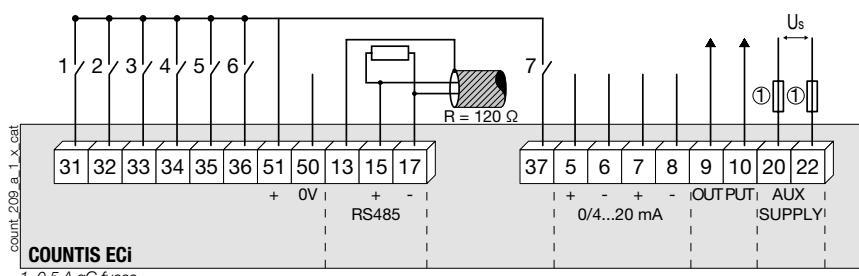
## Dimensions (mm)



count\_208.a.1x.cat

Type	modular
Number of modules	4
Dimensions W x H x D	73 x 90 x 67 mm
Case degree of protection	IP20
Front degree of protection	IP51
Display type	backlit LCD display
Terminal blocks type	fixed
Rigid cable cross-section	1 ... 10 mm <sup>2</sup>
Flexible cable cross-section	0.5 ... 6 mm <sup>2</sup>
Weight	215 g

## Connection



1. 0.5 A gG fuses.

31 : logical input n°1.  
 32 : logical input n°2.  
 33 : logical input n°3.  
 34 : logical input n°4.  
 35 : logical input n°5.  
 36 : logical input n°6.  
 37 : logical input n°7.  
 13-15-17 : RS485 link.  
 5-6 : Analogue input n°1.  
 7-8 : Analogue input n°2.  
 9-10 : output.  
 20-22 : power supply  
 $U=110\ldots400 \text{ VAC} \pm 10 \text{ %}$ .

51-50 : Inputs internal/  
 external power supply.

## References

Auxiliary power supply $U_s$	COUNTIS ECi2 Reference	COUNTIS ECi3 Reference
230 / 400 VAC	4853 0000	4853 0001
230 / 400 VAC + 2 analogue inputs		4853 0001
Description of accessories	Reference	Reference
Panel mounting kit	192J 8015	192J 8015