COUNTIS Ci

count_080_b_3_x_cat

Functions

The **COUNTIS Ci** is a pulse collector communicating via an RS485 link using JBUS/MODBUS protocol®.

Through 7 insulated on/off inputs, it counts the number of pulses from different energy meters (water, air, gas, electricity,...) and transmits this information to a PC equipped with CONTROL VISION software or PLC.
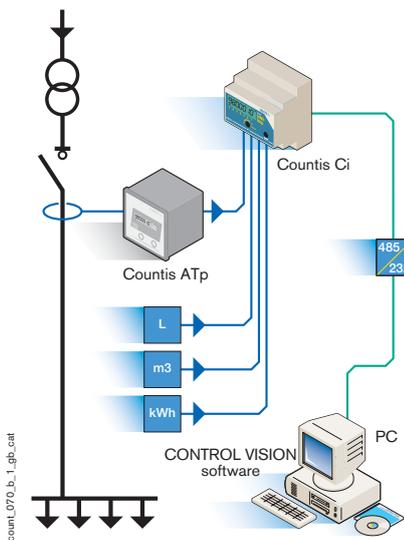
Conformity to standards

- IEC 61010-1
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61000-4-6
- IEC 61000-4-8
- IEC 61000-4-11
- IEC 60068-2-6
- IEC 60068-2-11
- IEC 60068-2-30

COUNTIS Ci

1. Displays consumption per input (▼).
2. Pushbutton to display consumption and status per input.
3. Validation pushbutton in programming mode.
4. Unit indicator (kWh or Imp)
5. Indicator for communication (COM).

Applications

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In the knowledge that electricity is not the only energy consumption source, COUNTIS allows centralising of other units such as water, air or gas.

CONTROL VISION software, via the **COUNTIS Ci** concentrator and its RS485 link JBUS/MODBUS ® protocol allows centralising all these consumptions whilst guaranteeing an optimal accuracy and ease of exploitation (Windows™ environment).

The **COUNTIS Ci** provides:
- 7 global counters to count kWh or a number of pulses,
- time-dated memory for kWh consumed over one month for each input.
  This record is carried out once a month for 12 successive months. These values are accessible by JBUS/MODBUS®,
- 4 of these 7 inputs can reconstitute an average power as required over a period of 8, 10, 15, 20 or 30 minutes. Values are stored in 10-minute segments for 8 days,
- status of the 7 inputs (status).

SOCOMEC general catalogue

Services +
> Audit
> Setting up
> Training
See page IV

References

COUNTIS Ci

Auxiliary power supply U_s	References
230 / 400 VAC	4852 **0000**

Accessory	
Panel mounting kit	192J **8015**

Electrical characteristics

Auxiliary power supply

Self-supplied	no
AC voltage	230 / 400 VAC
Tolerance	± 15 %
Frequency	50 / 60 Hz
Consumption	< 5 VA
Insulation voltage	2.5 kV

Communication

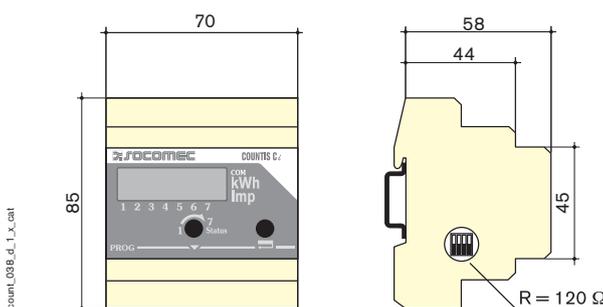| Link	RS-485
Type	2 … 3 half duplex wires
Protocol	JBUS/MODBUS® in RTU mode
JBUS/MODBUS® speed	4800 … 38400 bauds

Entrées

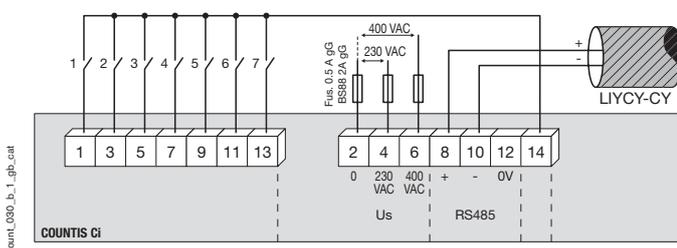| Number	7
Control voltage (integrated)	10 … 30 VDC
Minimum signal width	10 ms
Maximum signal width	2 s
Minimum length between 2 impulses	18 ms
Edge triggering	rising
Type	on/off

Operating conditions

Operating temperature	-5 … +45 °C
Storage temperature	-20 … +70 °C
Relative humidity	85 %

Overall dimensions

Type	modular
Number of modules	4
Dimensions W x H x D	70 x 85 x 58 mm
Case protection rating	IP20
Front protection rating	IP40
Display type	LCD
Terminal blocks type	fixed
Rigid cable connection section	1 … 10 mm²
Flexible cable connection section	0.5 … 6 mm²
Weight	500 g

Terminal connections

1: on/off input no. 1
3: on/off input no. 2
5: on/off input no. 3
7: on/off input no. 4
9: on/off input no. 5
11: on/off input no. 6
13: on/off input no. 7

2 - 4 - 6: auxiliary power supply U_s
8 - 10 - 12: RS485 link
14: internal direct source to supply the 7 inputs

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