Rayleigh Instruments
EST. 1964

Please Note

The meter is intended to be installed in a Mechanical Environment 'M1', with Shock and Vibrations of low significance, as per 2004/22/EC Directive. The meter is intended to be installed in Electromagnetic Environment 'E2', as per 2004/22/EC Directive.

Installation of this device may only be performed by qualified personnel.

Technical support

In case you have any questions about our product, please contact Rayleigh Instruments on 01245 428500.

Attention

The Meter housing is sealed. Warranty is void if the seal is broken or removed

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EST. 1964

RAYLEIGH INSTRUMENTS LIMITED
Cutlers Road
South Woodham Ferrers
Chelmsford
Essex
CM3 5WA
UK

230V 5(100)A

1000 imp/kWh

RI-D18-100-C

Rayleigh
Instruments
Limited

DECLARATION OF CONFORMITY

According to Directive 2006/95/EC

Product : Single Phase Energy Meter

Model No. : RI-D18-100-C / CM1100RS

Rating : 100A

Output : RS485 Modbus

The test sample has been tested in accordance with the requirements of

Standards EN 62052-11, EN62053-21

The technical documentation required to demonstrate that the products meet the requirements of the above EU directives has been compiled and is available for inspection by relevant enforcement authorities.
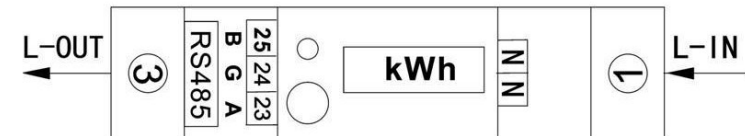
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Approved by/Date ...........T.R.... 1/3/15........

Rayleigh Instruments Limited
Raytel House, Cutlers Road, South Woodham Ferrers,
Essex, CM3 5WA
Tel. 01245428500   Fax 01245428559
Web. www.rayleigh.co.uk

RI-D18-100-C 230V 5/100A LCD

Single Phase Energy Meter – 100A Direct

Current Range	5/100A
Voltage Range	230V
Impulse Constant (Red LED)	1000 Imp/kWh
Accuracy Class	1
Frequency	50/60 Hz
Display	LCD 5+1=99999.**9**kWh
Temperature Range	-20°C to 55°C
Max. Relative Humidity	75% Average / Short time value 95%
Standards	EN62052-11 / EN62053-21
Power Of Consumption	≤1.0W, 7VA
Communication	RS485 - Modbus
Baudrate	1200, 2400, 4800, 9600 bps
Max. Terminal Wire mm^2	$25mm^2$

1 Live In	2 Live Out
3 Neutral	4 Neutral
23 RS485 A	24 RS485 B

12345.0	kWh (Active Energy)
230.0	V (Voltage)
005.0	A (Current)
11.50	kW (Active Power)
00.00	kVAr (Reactive Power)
11.50	KVA (Apparent Power)
P 0.000	cos φ (Power Factor)

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