



Matrix Metering Ltd
Electricity Meter Manufacturers
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RCU – Remote Counter Unit

Counts & Displays up to 6 Utility Meter Readings

Technical Data Sheet

Case

Case -- Heavy Duty Nylon, with Perspex front viewing panel
Case Size - 124 mm wide 170 mm high 95 mm deep
Case Weight – 0.9 kg

Power Options

230 volts 24 volts

Versions

1 way (1 meter) 6 way (6 meters)

Input Pulse

Minimum 10 mSec (low mode – Volt Free)

Output Pulse

Maximum Operating Voltage 45vdc
Clamp circuit interjection 65vdc
500watt Power Dissipation Limit - Max Current 10amp
Reverse Connection Protection 6vdc
Pulse Width – Mirrors input squared
DC Forward Current 0.6v
Rise And Fall Max 18 micro Secs
Isolation Resistance 5 x 10¹⁰ ohms
Isolation Voltage 5 kV
Collector Remitter Saturation Voltage 0.4volts
Operating temperature range -55c to 130c

LCD Display

16 Character Display includes spaces
Visual Diameter 65mm wide 13mm high
Hitachi Display Driver -- 5 x 7 dots per character
Character Size 8.5mm High 4.5 Wide
Characters available = 92 includes low and high case

Password

Via Zapper – allows the operators back into the programming software list

Programming

Via two buttons on front of case button 1 = scroll button 2 = accept

Display Options

Programmable as KWh – m3h – Blank
Can be configured to display Monetary Value

Data Retention/Memory

Should loss of power occur, programmed data will be retained in memory for 10 years.



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Temperature Range

Operating Range - 10c to 85c
Limit range of operation -20c to 90c
Storage range -25c to 70c
This complies with IEC 1036 4.3.1

EMC Standards & Compliances

Full compliance meeting generic standard EN50091-2 and immunity standard EN50082-2 for industrial environments
RoHS and WEEE compliant



Safety Standard

Complies with EN61010 installation category 11 Pollution degree 2

