



meters uk Ltd



Utility Meter Manufacturers

Series 203 – Card Prepayment Reader Technical Data

Physical Data

Case -- Heavy Duty Nylon, with Perspex front viewing panel
Case Size - 124 mm wide 170 mm high 95 mm deep
Case Weight – 1.1 kg

Credit Range

Variable from 1 unit to 100 units per card side inserted)

Module

100amps – AC1 230 volts (110 volts version available)
50/60hz Switching Current 4.5w over 20 ms
Switching life – 100,000 switches minimum

Input Pulse

Minimum 10 milli seconds (low mode) – Volt Free

Output Pulse

Voltage Free – Latching Relay Open or
Closed Circuit 3 amp max

Auxillary Output Data

Load –	Resistive Load (cos = 1)	Inductive Load (cosφ =0.4; I/R = 7ms)
	0.3A at 125 VAC: 1 A at 30 VDC	0.2 A at 125 VAC 0.5A at 30 VDC

Contact Material AgPd (Au- clad)
Rated carry current 3A
Max switching voltage 250 VAC , 220 VDC

Max Switch Current	DC : 2A ;AC 1A	DC : 1A; AC; 0.5 A
Max Switch Cap'	125 VA, 60 W	62.5 VA; 30 W

Min permissible load 0.01 mA at 10m VDC

Terminal Block

Nickel plated brass terminals, are fitted for main terminals, in both Single
The terminal cover is of a tamperproof construction and design, with a security lip fitting into the main meter case, and star constructed fixing for sealing with a 6.5mm screw head fitting, and 12mm long tin/copper sealing ferrules, 7 strand sealing wire



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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

Influence Of Supply Voltage

The Series 202 module complies with IEC 1036 section 4.4.2
Operation over the voltage range complies with IEC 1036 section 4.4.2.1 with permissible error as given in IEC 1036 table 14.
For voltage dips and short interruptions the module complies with IEC 1036 section 4.4.2.2 and tested according to IEC 1036 section 5.4.2.1
Power Burden less than 2VA

Password

Manual programming requires a 4 digit password installing for security

Data Retention/Memory

Should loss of power occur, programmed data will be retained in memory for 10 years, 100 cards of credit can be stored into memory at any one time

Temperature Range

Operating Range - 10c to 45c
Limit range of operation -20c to 55c
Storage range -25c to 70c
This complies with IEC 1036 4.3.1

EMC Standards

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

Safety Standard

Complies with EN61010 installation category 11 Pollution degree 2

FH

RoHS & WEE Directives

Compliance with both European directives

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