

Single Phase Electricity Meter

The attached data sheet applies to the EM1/N Single Phase Electricity Meter
The product provided by Trend has the following reference in the manual:

EM1/N: RM10


Trend supply the standard unit: DIN rail fixing, 230 Vac, Single Phase, 40 A, Direct Connected, Class 2 to EN61036

Attached:

RM10 Manual Issue Date: February 2001

(provided by Northern Design Electronics Ltd)

DISPOSAL

	<p>WEEE Directive :</p> <p>At the end of their useful life the packaging and product should be disposed of by a suitable recycling centre.</p> <p>Do not dispose of with normal household waste. Do not burn.</p>
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SPECIFICATIONS

- **Rated voltage:**
230V ac ($\pm 15\%$)
57 - 260V ac to order
- **Rated current:**
10 (40) A
- **Consumption:**
- current circuit: max. 0.2VA
- voltage circuit: max. 0.2W
- **Accuracy:**
Class 2 to EN61036
(Class 1 optional)
- **Counter:**
99999.99 kWh (no zero reset)
- **Indicator LED's:**
Red flashing LED: active consumption
- **Pulse output (optional):**
100 pulses per kWh
Transistor: 24V 40mA DC, 275ms
- **Operating temperature range:**
0 to +50°C
- **Protection class:**
IP 40 (terminals: IP 22)
- **Isolation:**
2.3kV_{eff} 50Hz 1min
- **Terminals:**
M4 screws, max. 6mm² cable
- **Case:**
DIN 43880, 2.5 modules
- **Weight:**
0.15kg
- **Mounting:**
snap-on fixing to 35mm DIN rails

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INSTRUCTIONS

Safety

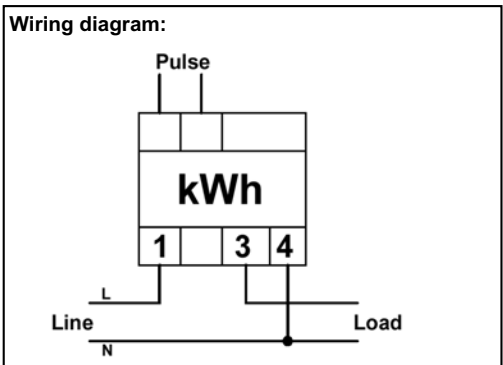
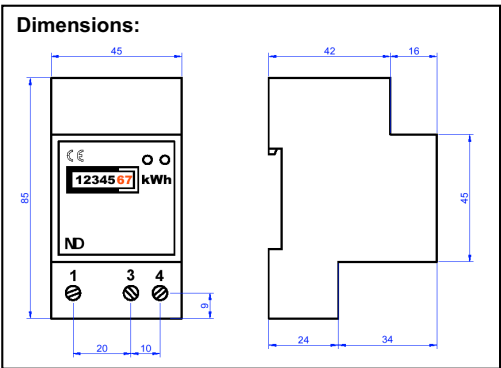
- Follow the instructions to ensure safe installation and operation.
- The unit should be installed by a qualified person.

Installation

- Check that the cables for the installation are isolated from all sources of power before connecting.
- Carefully follow the wiring diagram.
- Never install or connect the unit if it has been damaged.
- All connections and cables must be rated for continuous operation at the maximum voltage, current and temperature.
- The meter should be securely mounted by snapping onto 35mm symmetrical DIN rail.
- The meter does not require any maintenance if it installed and operated correctly.

ND RM10

Rail Mounted kWh Meter Single Phase 40 Amp Direct Connected



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