



# RM10

## Rail Mounted kWh Meter Single Phase 40 Amp Direct Connected

### 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.

### 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<sub>eff</sub> 50Hz 1min
- **Terminals:**  
M4 screws, max. 6mm<sup>2</sup> cable
- **Case:**  
DIN 43880, 2.5 modules
- **Weight:**  
0.15kg
- **Mounting:**  
snap-on fixing to 35mm DIN rails

