

## ENERGY MANAGER



A REAL-TIME ENERGY MONITORING SYSTEM FOR ALL UTILITY TYPES INCLUDING HEAT AND WATER

HELP USERS SAVE 10% OFF THEIR UTILITY BILLS EASILY

EARN 2 CODE CREDITS UNDER THE CODE FOR SUSTAINABLE HOMES

BUILT IN WIFI SO WORKS IN NEW-BUILDS, WITHOUT BROADBAND ROUTER



NetThings Energy Manager is a UNIQUE real-time energy monitoring system for homes that measures up to six channels of all utility types, including heat and water that is worth two code credits under the Code for Sustainable Homes.

The system has a dedicated wall-mount, in-home display that is effortlessly controlled through elegant graphical user interfaces. The engaging and language free traffic light display helps people save money off their bills and reduce their carbon footprint.

You can also use the system to monitor export from your micro-generation system, such as Solar PV, Thermal or Wind.

Simply keep the display in the green and you will **save over 10% off** your energy bills.



# PRODUCT DATA

Name of Manufacturer	NetThings Limited
Unique reference number (model number)	EMK-002-01 (Pulse Only) or EMK-201-01 (Mbus & Pulse)
Purpose of product (Energy Manager)	ENE3 Compliant Energy Monitoring System
Dimensions	Controller 165mm x 95mm x 52mm ; Display 235mm x 127mm x 19mm
Operating temperature range	0°C to 40°C ambient
Enclosure protection	IP 20
Level of protection from electric shock	Double insulation
Case material V0 rating	Rated fire retardant
Supply Voltage	100-240VAC
Max system power in watts	12W
Power Supply Frequency Hz	50-60 Hz
WiFi IEE 802.11 Frequency Band	EEE 802.11 B/G/N 2.4 GHz
Data Storage Capacity	Greater than 10 years
Power supply for display	Switching Power Supply: I/P 100-240VAC unterminated wire for spur connection. O/P DC 5V. Dim. 90mm x 40mm x 29mm.
Number of monitored channels	<b>Up to 6:</b> Max of 3 x CTs and 3 x pulse or 6 x Mbus meter
Current Transformer (CT) Derived measurements	Voltage, Current, Apparent Power, Real Power, Energy
Instantaneous Measurements	Energy, Volume, Cost
Continued Utility Measurements	Utility bill estimation by day, week, month, quarter and year as well as carbon CO2.
WiFi Security	Wi-Fi Protected Access (WPA)
<b>What's in the box?</b>	<b>1 x NT Measurement Unit, 1 x 7" Display, 1 x Tamper free wall mount 1 x display power supply, 1 x Current Transformer 16mm and 2 x pulse cable free end 10m.</b>

## EASY TO INSTALL

### INSTALLATION IS FAST AND SIMPLE

Controllers and smart displays are fitted over standard pattress boxes

Simple push button connectors are used for CTs and Pulse connections



STANDARDS COMPLIANCE: This product conforms to: Safety to EN61010-1, EMC to EN61326-1. NetThings Limited, 14 New Mart Road, Edinburgh EH14 1RL NetThings policy is one of continuous improvement and development. The right to change specification and appearance without prior notice is reserved. Document Number 2005M032 V7