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

THE CODE FOR SUSTAINABLE HOMES™

DOMESTIC REFURBISHMENT
BREEAM®

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.

Electricity Usage : Whole House

⚡ £0.35/h

| Instantaneous Energy | 2.69kWh | Current Tariff | £0.13 |
| Instantaneous CO2 | 0.71kg/h | Account Balance | £28.30 |

Tablet in mount: 173mm x 99mm x 14mm

PRODUCT DATA

Name of Manufacturer	NetThings Limited
Unique reference number (model number)	EMK-001-01
Purpose of product (Energy Manager)	Monitoring building energy consumption
Dimensions	165mm x 95mm x 52mm
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	220-240V AC
Max power in watts	7W
Power Supply Frequency Hz	50-60 Hz
WiFi IEE 802.11 Frequency Band	EEE 802.11 G 2.4 GHz
Type of Memory & Data Storage Capacity	8 Gb Removable micro SD Card . Greater than 2 years
Power supply for display	12W Switching Power Supply: I/P 90-264VAC unterminated wire for spur connection. O/P USB Connection DC 5V. 82.5mm x 40mm x 29mm.
Number of monitored channels	Up to 6: Max of 3 x Electricity via CTs & 3 x any pulse enabled meter
CT Current Transformer related measurements (16mm/24mm)	Voltage, Current, phase angle, phase delay, apparent power, true power and power factor.
Real-time, instantaneous Measurements	Energy units consumed £/h (gas, water, electricity, heat, cooling, solar power)
Continued Utility Measurements	Utility bill estimation by day, week, month, quarter and year as well as carbon CO_2.
WiFi Security	Wi-Fi Protected Access (WPA) PSK (TKIP/CCMP)
What's in the box?	**1 x NT Measurement Unit, 1 x 5" Table display, 1 x tamper free wall mount, 1 x display power supply, 1 x Current Transformer 16mm and 1 x pulse cable free end 10m..**

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

NetThings Measurement Unit

Tamper Proof Flush Mount

Wall Mounting Bracket

Double Pattress Box/Socket

Display

USB Power Supply 90-264v AC

Removable microSD card for software upgrade and data export