

27.0%*
less gas used with CHMS

93.3 kgCO₂e
average saving per month



Ref: 13201

Central Heating Management System

Case Study – Braintree CM7



Property:	Semi Detached House
Age:	Built 1960
Size:	n/a
Construction:	Cavity Walls
Insulation:	Loft and Walls
Bedrooms:	3 Bedrooms
Reception:	1 Reception Rooms
Glazing:	Double Glazing
EPC Score:	n/a
Installed:	August 2013
Reviewed	July 2014

OBJECTIVE

- ✓ To assess the central heating system after the installation of the CHMS
- ✓ To ensure the system is fitted and working correctly
- ✓ To discuss with the customer their experience of the CHMS and heating comfort
- ✓ To advise on the best way to use the system to get the most out of it
- ✓ To measure fuel consumption by analysis of energy bills

ORIGINAL HEATING SYSTEM

System Description: System, Vented
Boiler Make/Model: Baxi Solo 2
Wall thermostat: None
Programmer: Analogue

Pipe Type & Size: Two Pipe
Fuel: GAS
No of radiators: Five
Port Valve: N

Age: 20 years
TRVs: All

UPGRADED HEATING SYSTEM The installation includes:

Magic Heating Box:	Y	Dig 3 Channel Programmer:	Y	Magnetic Filter:	N
Digital Wall Thermostat	Y	6m Circulation Pump:	Y	Liquid TRVs (100%):	Y
Cleansing of System:	Y	Two Port Valve (MoMo):	N	Deaerator:	Y
Cleaner Accelerant:	Y	Electrolytic Scale Reducer:	N	Pipe Stat:	Y
Anti-Corrosion Inhibitor:	Y	New Cylinder:	N	New Boiler:	N

RESULTS

The gas energy bills for period August 2012 to August 2013 before installation compared to the period August 2013 to July 2014 after the CHMS was installed showed a saving of 27.0%. The boiler and cylinder stats were both found to be set at 65C so were reduced to 60C.

CUSTOMER COMMENTS

“ The Central Heating Management System was installed in August 2013 and is showing a saving of 27%. I was happy with this and been advised that with further adjustments I can probably save more.”

*Disclaimer: This case study is for illustrative purposes only and is a unique example of a saving made on the specific property concerned. The CHMS can provide savings of up to 30% (units/kWh) of the heating bill, if used correctly. kgCO₂ saving based on Carbon Trust Conversion Factors 2013 and displayed as a monthly average over test period. (No adjustment made for environmental or human variables). Star rating based on customer questionnaire. The Magic Thermodynamic Box Ltd does not endorse any savings made in customer testimonials that may exceed 30% as any savings achieved are dependent on lifestyle and usage.