

**36.9%\***  
less gas used with CHMS



# Central Heating Management System

Ref: 14862



Case Study – Colchester, Essex CO2	
<b>Property:</b>	Semi-Detached
<b>Age:</b>	Built 1950
<b>Size:</b>	n/a
<b>Construction:</b>	Cavity
<b>Insulation:</b>	Loft
<b>Bedrooms:</b>	3 Bedrooms
<b>Reception:</b>	1 Reception Rooms
<b>Glazing:</b>	Double Glazing
<b>EPC Score:</b>	n/a
<b>Installed:</b>	January 2014
<b>Reviewed</b>	May 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 gas consumption by analysis of energy bills

## ORIGINAL HEATING SYSTEM

System Description: Combi	Pipe Type & Size: Two Pipe	
Boiler Make/Model: Bosch Greenstar	Fuel: GAS	Age: 6 months
Wall thermostat: Digital	No of radiators: Seven	TRVs: None
Programmer: Analogue	Port Valve: n/a	

## UPGRADED HEATING SYSTEM The installation includes:

Magic Heating Box: Y	Dig 3 Channel Programmer: Y	Magnetic Filter: N
Digital Wall Thermostat N	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 February to May 2013 before installation compared to the period February to May 2014 after the CHMS was installed, showed a saving of 36.9%. The boiler flow had been set to 66°C and was turned down during visit to 60°C. This should facilitate an uplift in savings obtained. (No compensation for environmental or human variables)

\*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) if used correctly. 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.