

**47.7%\***

less gas used with CHMS

# Central Heating Management System



Ref: 12926



## Case Study – Maidenhead SL6

<b>Property:</b>	Detached House
<b>Age:</b>	Built 1970s
<b>Size:</b>	257m <sup>2</sup>
<b>Construction:</b>	Solid
<b>Insulation:</b>	Loft 250mm
<b>Bedrooms:</b>	5 Bedrooms
<b>Reception:</b>	2 Reception Rooms
<b>Glazing:</b>	Double Glazing
<b>EPC Score:</b>	Band D - 57 (2014)
<b>Installed:</b>	June 2013
<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: System, Vented	Pipe Type & Size: Two Pipe	
Boiler Make/Model: Grant	Fuel: OIL	Age: 1 year
Wall thermostat: Analogue	No of radiators: Eighteen	TRVs: <50%
Programmer: Digital	Port Valve: Spring	

### UPGRADED HEATING SYSTEM The installation includes:

Magic Heating Box: Y	Dig 3 Channel Programmer: N	Magnetic Filter: N
Digital Wall Thermostat Y	6m Circulation Pump: Y	Liquid TRVs (100%): Y
Cleansing of System: Y	Two Port Valve (MoMo): Y	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 December 2012 to April 2013 before installation compared to the period December 2013 to April 2014 after the CHMS was installed, showed a **saving of 47.7% (litres)**. The boiler flow had been set to 65°C and was turned down during visit to 60°C. All TRV were set on maximum so customer advised advantages of turning them down to required temperature. (No compensation for environmental or human variables)

### CUSTOMER COMMENTS

“ The Central Heating Management System was installed in conjunction with my oil boiler. Since then I have noticed a significant saving off my oil consumption. “

\*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.