

**28.8%\***  
less oil used with CHMS



Ref: 12247

## Central Heating Management System

## Case Study – Willingale CM5



<b>Property:</b>	Detached House
<b>Age:</b>	Built pre 1900
<b>Size:</b>	n/a
<b>Construction:</b>	Solid Walls
<b>Insulation:</b>	Loft
<b>Bedrooms:</b>	4 Bedrooms
<b>Reception:</b>	5 Reception Rooms
<b>Glazing:</b>	Double Glazing
<b>EPC Score:</b>	n/a
<b>Installed:</b>	May 2013
<b>Reviewed</b>	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 - Pressurised  
Boiler Make/Model: Grant Vortex 26-36  
Wall thermostat: Digital  
Programmer: Digital

Pipe Type & Size: Two Pipe  
Fuel: OIL  
No of radiators: Eight  
Port Valve: Y  
Age: 1 years  
TRVs: >50%

### 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 oil purchases by the customer for 29/12/12, 03/04/13 and 03/11/13, 28/02/14 showed that during the pre install period 485 litres per month was used compared to 345 litres per month for the period after installation of the CHMS. The cylinder stat was reduced to 60°C.

### CUSTOMER COMMENTS

“ The system was installed in May 2013. Since then there has been a saving in oil consumption of approx 28%. The radiators heat up more quickly than before and there is far less air in the system.”

\*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.