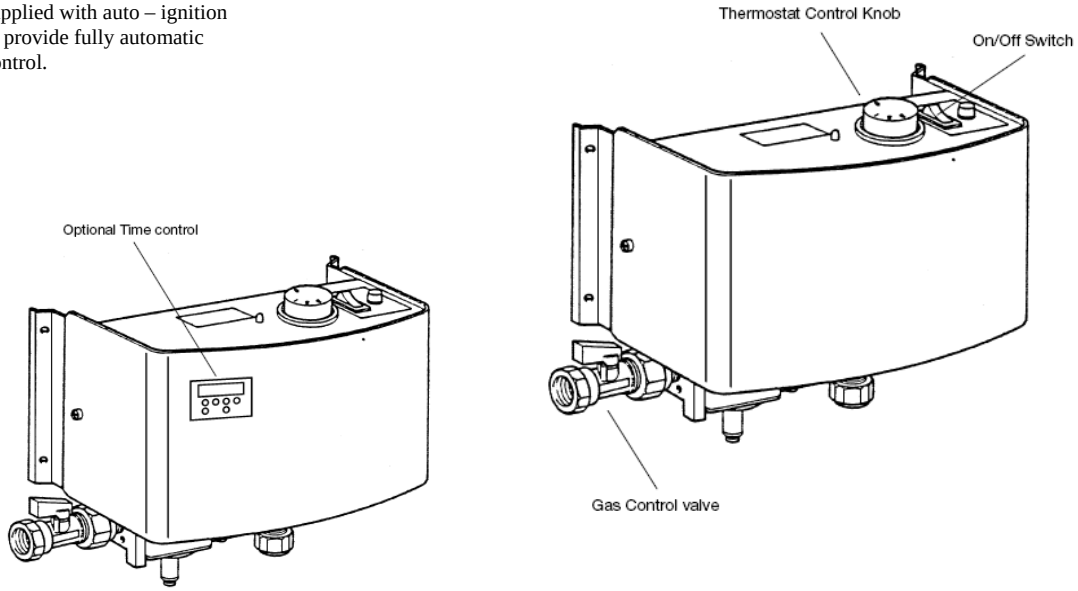
NATURAL AND PROPANE GAS FIRED STORAGE WATER HEATERS
Automatic Ignition System for Standard Range Models

Andrews Standard Range Water Heaters can be supplied with auto – ignition to provide fully automatic control.



THE STANDARD RANGE AND RSC WATER HEATERS CAN BE SUPPLIED FOR PERMANENT PILOT OPERATION WITH THERMOCOUPLE ENERGISING TO OPEN THE MAIN BURNER VALVE. (No electricity supply required).

ALTERNATIVELY THEY CAN BE SUPPLIED WITH A 24-VOLT AUTO IGNITION SYSTEM FACTORY FITTED AND TESTED. (220/240 volt electrical supply required.)

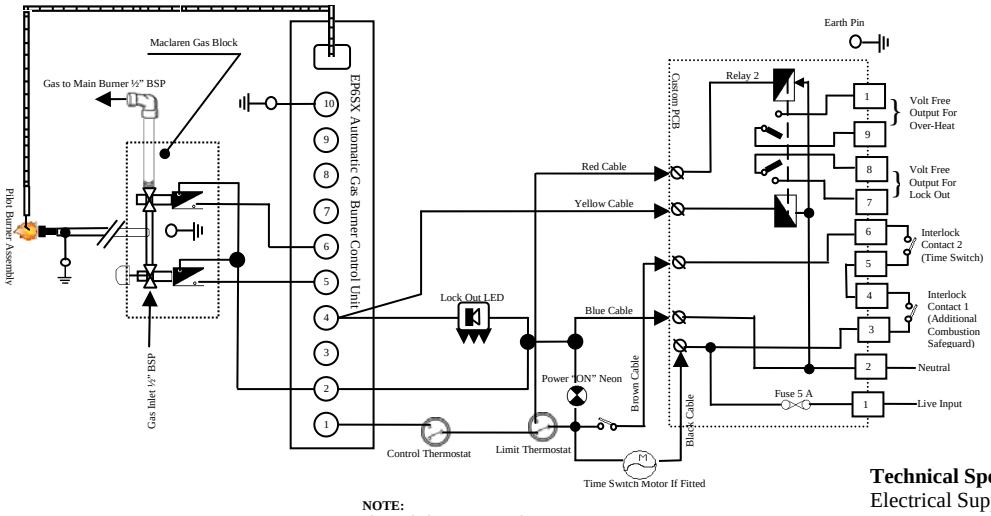
THE AUTO IGNITION SYSTEM IS C.E. APPROVED TO COMPLY WITH EMC, LOW VOLTAGE AND GAS APPLIANCE DIRECTIVES.

THIS SYSTEM WHILST BEING COMPATIBLE FOR USE WITH ENERGY MANAGEMENT SYSTEMS ALSO OFFERS THE FOLLOWING ADDITIONAL FACILITIES:

- Automatic ignition by high voltage discharge to intermittent pilot prior to soft start mainflame.
- Flame monitoring by electronic proven pilot ignition control, complying with EN 298 Ignition Safety Standards.
- Flame failure and overheat indication terminals on control panel 240 volt.
- Time control if required may be connected to the control panel from an external source.
  Alternatively the heater can be fitted with an integral time control neatly located in the control cover and connected directly to the control panel.

  Separate instructions for setting the time control are enclosed in the panel.
- The control can be interlocked to a sensing device on an external flue fan to comply with Gas Safety (Installation and Use) Regulations 1994.

TECHNICAL DATA SHEET



NOTE:
The Interlock contact terminals 3&4 – 5&6 must be linked if no device is fitted

Technical Specifications

Electrical Supply	220/230V
1ph 50HZ	
Thermostat Switch Circuit	240volt
Time Switch Circuit	240V
Running Current	A 0.3 approx

ELECTRICAL SUPPLY

Refer to the wiring diagram.

Wiring external to the water heater must be installed in accordance with the current I.E.E. Regulations for the wiring of buildings and to any local regulations that may apply.

The auto ignition water heater is designed to run off 220/230V 1ph 50 Hz supply and the fuse rating is 5 amp. The thermostat circuit is 240volt.

The method of connection to the mains electricity supply should facilitate complete electrical isolation of the appliance preferably by use of an unswitched shuttered socket outlet in conjunction with a fused three pin plug both complying with the requirements of BS 1363. The point of connection to the mains should be readily accessible and adjacent to the appliance.

Connect the electrical supply to the control panel terminal block via the cable gland in the base of the panel. The supply cable should be 0.75mm2 3 core and should be connected to the mains supply as above.

240 volt terminals are provided for remote overheat and lockout warning for connection to a BEMS system if required.

Some models are fitted with an integral time control and instruction for setting are enclosed in the panel. If an external time control is fitted remove the link in the control panel.

NB. WHEN USING A TIME CONTROL ENSURE THE HEATER IS NOT TURNED OFF BEFORE THE FINAL WATER DRAW OFF OCCURS. THIS WILL ENSURE THE WATER IN THE TANK IS LEFT IN A HOT CONDITION.