Guide to ESI Controls Boiler Plus Compatible Product Range:

When installing a gas combination boiler only (both new and replacement) a minimum of one of the following should also be installed:

- Flue gas heat recovery **or**
- Weather compensation **or**
- Load compensation **or**
- Smart thermostat with automation **and** optimisation

Definition:

Smart thermostat with automation and optimisation

There are three clear functionalities that must be incorporated:

- It must include a room thermostat, delivering both time and room temperature control, and therefore replacing any existing thermostat and programmer, or programmable room thermostat.
- It must have the functionality to automatically adjust time and temperature settings based on either manual entries from the occupants or occupancy detection.
- It must be capable of starting the boiler at the optimum time to achieve the set-point temperature at the start of the occupancy period (i.e. optimum start.) Implicit in this is some form of learning within the device.

In the context of Part L, this definition of a smart thermostat does not require the measure to offer remote control or internet connectivity.

The table below shows ESI Boiler Plus Compliant products for use in either system or combi boilers.

Part Number	Description	Optimum Start	Optimum Stop	Automation	Wifi
RTP4	Programmable Room Thermostat – Hard Wired	✓	✓	✓	
RTP4RF	Programmable Room thermostat - Wireless	✓	✓	✓	
RTP5WW	Programmable Room Thermostat – Hard Wired and Wifi – Wall Mounted	✓	✓	✓	✓
RTP5WF	Programmable Room Thermostat – Hardwired and Wifi – Flush Mounted	✓	✓	✓	✓
RTP5RFWiFiP	Programmable Room Thermostat – Wireless and Wi-Fi	✓	✓	✓	✓

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