

Technical note: TNOTE:07

Guidance to SAP assessors for selecting smart thermostats in SAP 10

When selecting a smart thermostat from the Product Characteristic Database (PCDB) there will be 3 control types for each product. This will be stated in the model qualifier of the smart thermostat product for clarity.

- Control type 1 applies where there is no means to limit the temperature of the non-living area.
- Control type 2 applies where there is a means of limiting the temperature of the non-living area, but the timing of heating in the non-living rooms can't be separately chosen.
- Control type 3 applies where there is separate time and temperature control in the non-living rooms.

The appropriate control type can be determined by reference to the existing control codes in Table 4 – see extract below. For example, when a heating control has an SAP code of 2113. A smart thermostat with a model qualifier of “control type 2” must be selected.

Type of control	Heating system control SAP code	Control type
No time or thermostatic control of room temperature	2101	1
Programmer, no room thermostat	2102	1
Room thermostat only	2103	1
Programmer and room thermostat	2104	1
Programmer and at least two room thermostats	2105	2
Room thermostat and TRVs	2113	2
Programmer, room thermostat and TRVs	2106	2
TRVs and bypass	2111	2
Programmer, TRVs and bypass	2107	2
Programmer, TRVs and flow switch	2108	2
Programmer, TRVs and boiler energy manager	2109	2
Time and temperature zone control by arrangement of plumbing and electrical services	2110	3
Time and temperature zone control by device in PCDB	2112	3