



SPECIFICATION GUIDELINE CDE-0997

Electrical underfloor comfort heating: Raychem TC Programmable Digital thermostat With “Boost” function

Purpose :

The Raychem under-floor heating systems provide a comfortable (18-27°C) floor temperature under wooden, laminate, carpeted, or tiled floors, as part of a complete Raychem solution. Included in this system is a control and monitoring thermostat that provides additional functionality and safety for the system.

The Product shall be supplied and delivered by:
Tyco Thermal Controls (UK) Ltd.
3 Rutherford Road
Stephenson Industrial Estate
Washington, Tyne & Wear
NE37 3HX
Contact no: 0800 969 013
E-mail: Salesuk@tycothermal.com

Specification :

TC programmable digital Control with timer and boost Function

The thermostat shall include a floor or ambient/room temperature sensor to control the heating system and will be known as **Raychem TC Control**. The sensor shall be supplied, pre-terminated, with a 2.5m metre cable. The enclosure should have an ingress protection rating of IP21. The control unit shall also be equipped with a boost function to allow the end user the functionality of increasing the power out from the standard comfort setting for a period of 2 hours.

Product, technical, and performance requirements :

Floor heating control unit:

- Product must be digital.
- Product must have an integrated clock.
- Product must have variable comfort temperature settings.
- Product must have variable economy (set-back) settings available every 30 minutes throughout the day. This is to allow the consumer complete flexibility for standard comfort, and economy, temperatures.
- Product must have a 2 hour boost function for end user flexibility.
- Product must be available with switchable floor OR room sensing ability.
- Product must be available with interchangeable fascia cover (Standard white or Brushed aluminium effect.)
- Product must be IP21 rated.

The manufacturer shall provide a 12 year product warranty for the under floor heating system provided all product and components are that of the manufacturer.