

## ■ Intelligence Underfloor Heating

SEMKO - 308886 ISO 9001- Vejle

Underfloor Heating systems consist of thermostat-controlled heating cables fitted below the floor surface. The heat is evenly distributed, producing a comfortable indoor climate and keeping draughts to a minimum. At the same time, a concealed source of heat opens up greater opportunities for decoration and finishings....

### Minimal heating expenses

It is an attractive option from the point of operating costs. The positioning of the heat source under the floor and the very precise thermostatic control ensure a very high level of energy utilization. This means that you can reduce heat loss by around 20% which not only saves you money, but also benefits the environment.



### Intelligent thermostat

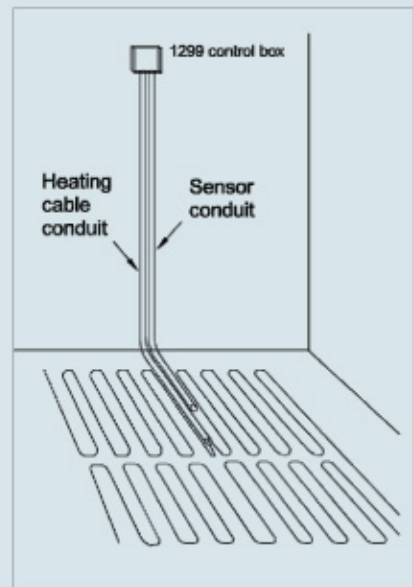
Intelligent thermostat decide exactly during which periods of the day/night you want a certain temperature. You set and forget - the thermostat/timer takes care the rest for you, because it is adaptive and learns the room conditions to include in its memory, also the changing seasons of a year. Result is: You decide your own comfort and your own energy bill.



### Electrical for installation

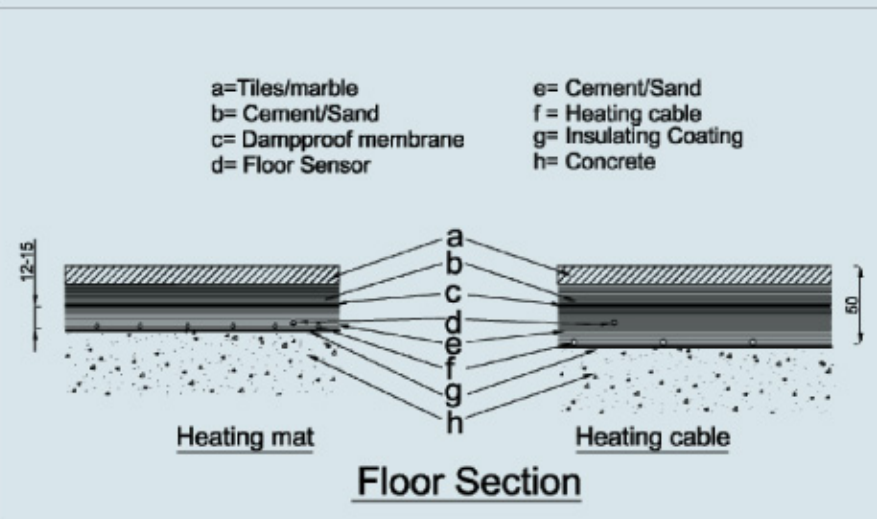
Intelligent thermostat is designed to fit in 1299 connecting box that may located at similar height of other switches in the room.

For bathrooms installation, it is recommended to face the 1299 box out-side of bathrooms. A pair of 'L' shaped conduit (Dia. 20mm) to be laid as per drawing on the right. It must be possible to turn the heating cable off. The area below the heating cable must be clean and free from sharp object.



### Care after installation of heating cable

- All heating cables must be concealed by cement/sand. There should be no air-gap between heating cables and floor finishes.
- Heated floor should not be covered to avoid over heating.



- Special care should be taken not to damage the cables with tools during the casting of concrete.
- The floor heating must not be turned on before the concrete has fully dried out. (Approx. 30 days)
- Heating cables screen must be grounded.



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