



## ETN operations manual

A Comfort Heat floor heating system has been installed in your floor. Under floor heating will warm from the floor up giving you unparalleled feeling of comfort. This heating system is controlled by an electronic thermostat that is home automation compatible and has a floor sensor for optimum temperature control.

### PROIR TO TURNING ON

The sub-floor and screed have to be fully cured before turning the heating on. For sand & cement screeds you must wait at least 3 weeks before turning on. With Ultra-thin installations, you must wait 2-3 days for the tile glue to cure. When turning on the floor for the first time, increase the floor temperature gradually over 2-3 days.

#### WARRANTY

TILE - 10 years  
CARPET - 5 years  
TIMBER - 5 years  
SLAB - 10 years  
THERMOSTAT & SENSOR - 2 years

#### TEMPERATURE SETTINGS

TILE: 24 -26°C max. temp 30 deg °C  
CARPET: 25°C max. temp 28°C  
TIMBER: max. temp 27°C  
SLAB: max. temp 27°C  
THERMOSTAT & SENSOR: 2 years

The MICROTEMP RANGE of electronic thermostats are specifically designed for underfloor heating systems. The thermostat is vertically mounted and has a 2pole isolator with 16A output relay.

**ETN** - The ETN thermostat is a home automation compatible thermostat. Mounted in the switch board (DIN rail) and utilises the set back temperature function.



### TECHNICAL DATA

Supply Voltage: 240Vac, 50/60hz  
Output Relay: 16A SPST, 3600W max  
Switching Differential: 0.4 degC  
Built-in Switch: 2 pole 16A  
Temperature Range: 0/+50 degC  
Housing/protection: IP20 & IP21  
Dimensions (HxWxD): 115mm x 84mm x 58mm  
Sensor Length: 3m  
Warranty: 2 years  
Mounted: Vertically/DIN rail mounted



## BASIC SET UP

### Temperature Settings

ETN has a temperature range of 0 to 35°C known as 'set point'.

### Light

The light indicates when the floor is drawing power ( heating ). When the red light is off this indicates that the floor is at your set temperature and will switch back on once the floor drops to your differential setting.

### Differential

Differential is the temperature span between switching the thermostat on and off. Eg if the 'set point' is set to 25°C and the differential set to 3°C, the thermostat will switch off at 25°C and turn back on when the floor temperature reaches 22°C.

### Setback

Setback allows you to remotely switch the thermostat to a default temperature by utilizing a home automations system (C-bus). Eg, if the 'set point' is set to 25°C and the set back temperature at 10°C, when the remote time clock switches the thermostat to the default setting the temperature will sit at 15°C. (with the same differential)

### Set Up

Initially, adjust 'set point' to maximum temperature and leave on until the desired floor temperature is achieved. At this stage turn the 'set point' control back until the red led just goes out. (this will help you get a feel for your ideal temperature setting)

Monitor this situation for 24 hours to achieve correct floor temperature.

