

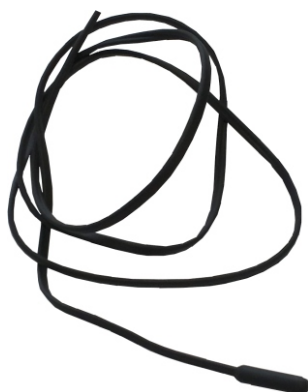
## TE-S1 Thermostat with the floor temperature and programmable hysteresis.



DIMENSIONS:  
H.65, L.115, P.28mm.



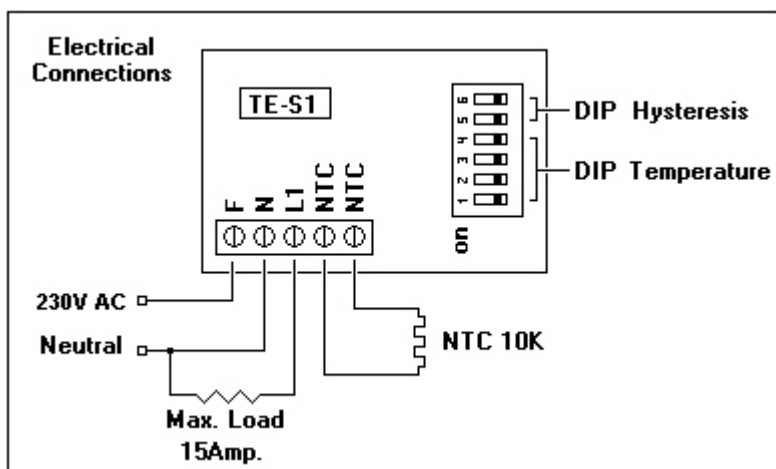
Probe  
supplied  
NTC 10K  
b(25/85)  
= 3977  
L= 1,5 mt.



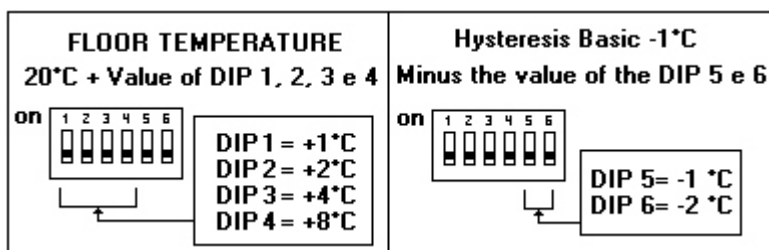
### TECHNICAL DATA:

- Power Supply 230V ac 50/60Hz.
  - Absorption 2 VA
  - Input for NTC 10K b (25/85) = 3977
  - Internal relay 16Amp. 230V, max. 15A resistive permitted.
  - Working temperature 20-35 ° C + / - 0.2°C
  - Reactivation hysteresis 1- 4°C
  - Operating temperature range -10 / +50 ° C
  - Dip-switch-6 Poly (increase in floor temperature 1-2-3-4, increased hysteresis 5-6)
  - Support bticino Magic Art. 503S
- NOTE: In case of breaking NTC the relay for electrical safety remains open.

Thermostat for the floor, suitable to receive an external probe NTC 10K.  
By dip switches you can set the temperature of intervention from 20 to 35 ° C and select the hysteresis of reentry from 1 to 4 ° C.  
The thermostat is used to limit the temperature of the floor and as electrical safety.  
The first time you turn the thermostat to measure the temperature of the floor, if below the value set activates the internal relay (15A 250V ac). Temperature is reached, the relay opens, closes again when it reaches the set temperature minus the hysteresis value chosen.



### Programming the temperature and hysteresis



### Programming example:

1) To obtain the opening of the relay at 29 ° C and the closing at 26 ° C, operate the programming DIP in the following way:

To set the maximum activation temperature to 29°C, considering the temperature of basis of the thermostat of 20°C add 9°C leading to ON DIP 1 and 4 (DIP 1= +1°C, DIP 2= +8°C).

2) To set the hysteresis and to obtain the closing at 25°C, operate the programming of DIP in the following way:

To take away 3°C from the maximum value of 29°C previously set, add to 1°C hysteresis basic 2°C bringing to ON pin 6.

Note: with everyone the DIP to OFF, the thermostat closes the relay at 19°C and opens at 20°C (basic function).

### USE:

The thermostat TE-S1 must always be connected through cables of section appropriate to the current switched.

The load must be resistive only, not compatible with inductive loads such as primary transformers or coils of contactors.