



## DESCRIPTION

Thermal controllers are intended for the automatic regulation of electrical heating systems and energy saving. They allow supplying voltage to heating sections only when it is necessary to maintain thermal comfort in a premise.

Programmable thermal controllers are intended for maintaining comfort temperature of warm floors in preset time intervals. The user sets the time only when comfort temperature is needed.

Thermal controllers automatically analyze the heat characteristics of the premise and turn the heating on so that the preset comfort temperature is achieved on time.

I-WARM thermal controllers offer advantages with regard to use and adjustment. Almost all settings are performed by one button press. A wide range of thermal controllers satisfies the demands of the users.

## TECHNICAL DATA

Ingress Protection	IP 20
Protection class	II
Ambient temperature range	+5°C - +40°C
Air humidity limit	80%
Temperature sensor	TST02

## APPROVAL DETAILS

The compliance with all necessary requirements is approved by appropriate Certificates:



ME67

## PRODUCT REFERENCES

### I-WARM 750

Supply voltage	230 VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	90 g
Dimensions	80x80x46 mm
Memory time	NA
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +45°C
Factory preset temperature	NA



### I-WARM 750

Ultrathin analogue electronic thermostat with a LED indication of the heating system «on» state and temperature adjustment knob capable of limiting maximum and minimum temperature.

### I-WARM 760

Supply voltage	230 VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	150 g
Dimensions	80x80x44 mm
Memory time	12 months
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +35°C
Factory preset temperature	+25°C



### I-WARM 760

Ultrathin programmable digital flush mounted electronic thermostat with LCD display, built-in air temperature sensor, built-in real-time clock and calendar. The user can set time intervals daily and weekly when he needs heating.

### LC-A01

Supply voltage	230 VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	90 g
Dimensions	80x80x20 mm
Memory time	NA
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +35°C
Factory preset temperature	NA

NEW  
DEVICE

### LC-A01

Analogue electronic thermostat with «on/off» switch and a temperature adjustment knob.

### LC-D01

Supply voltage	230 VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	150 g
Dimensions	80x80x20 mm
Memory time	1-24 hours
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +35°C
Factory preset temperature	NA

NEW  
DEVICE

### LC-D01

Digital flush mounted electronic thermostat with LCD display. The user can set time intervals daily and weekly when he needs heating.

### Roomstat 110

Supply voltage	230 VAC, 50 Hz
Max. load current	16 A
Power consumption	0.50 W
Weight	90 g
Dimensions	80x80x52 mm
Memory time	NA
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +45°C
Factory preset temperature	NA



### Roomstat 110

Analogue electronic thermostat with a LED indication of the heating system «on» state and a temperature adjustment knob.

### I-WARM 710

Supply voltage	230 VAC, 50 Hz
Max. load current	16 A
Power consumption	0.45 W
Weight	150 g
Dimensions	80x80x52 mm
Memory time	12 months
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NTC 6.8 kOhm
Temperature range	+5°C - +35°C
Factory preset temperature	+25°C



### I-WARM 710

Digital flush mounted electronic thermostat with LCD display, remote floor temperature sensor and built-in air temperature sensor, self-diagnostics and service mode.

### I-WARM 720

Supply voltage	230 VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	150 g
Dimensions	80x80x52 mm
Memory time	12 months
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +35°C
Factory preset temperature	+25°C



### I-WARM 720

Programmable digital flush mounted electronic thermostat with LCD display, built-in real-time clock and calendar. The user can set time intervals daily and weekly when he needs heating.

### I-WARM 730

Supply voltage	230 VAC, 50 Hz
Max. load current	2x8A
Power consumption	1.350 W
Weight	200 g
Dimensions	116x82x54 mm
Memory time	12 months
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +35°C
Factory preset temperature	+25°C



### I-WARM 730

Digital flush mounted electronic thermostat with LCD display with 2 remote floor temperature sensors and a two zone control possibility, self-diagnostics and service mode.

### I-WARM 810, I-WARM 820 control panel

Supply voltage	3 VDC (2x1,5 AAA)
Max. operation time with one set of batteries	4 months
Operation range	up to 25 m
Weight	90 g
Dimensions	130x53x20 mm
Memory time	12 months
Floor sensor	NA
Built-in air temperature sensor	810-NA 820-DS 1820
Factory preset temperature	NA
RF frequency	433,92/868,3 MHz



### I-WARM 810, I-WARM 820 executive module

Supply voltage	230VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	150 g
Dimensions	80x80x52 mm
Memory time	12 months
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+12°C - +35°C
Factory preset temperature	NA
RF frequency	433,92/868,3 MHz



### PT-320

Supply voltage	230VAC, 50 Hz
Max. load current	16A
Power consumption	0.45 W
Weight	110 g
Dimensions	35x90x58 mm
Memory time	12 months
Floor sensor	TST 02; NTC 6.8 kOhm
Built-in air temperature sensor	NA
Temperature range	+5°C - +45°C
Factory preset temperature	+25°C



### I-WARM 810, 820

The thermostat of the 800 series (NEW 2010) consists of a control panel and an executive module. Thermal controllers TP 810 and TP 820 allow regulating several heating elements (sections, mats) on the wireless connection channel. The maximum number of executive modules connected to a control panel is 4. The range coverage in open areas is up to 100m. The thermal controller TP 820 has a programming function.

### PT-320

PT-320 is an analogue thermostat to be installed onto a DIN-rail inside control cabinet to control underfloor heating systems. Thermostat is equipped with LED indicators to see its operation condition. It is designed to maintain temperature in a range from +5 to +45 C and is equipped with temperature sensor TST02.

### Temperature sensor TST02

Sensor cable length	2m
Temperature range	+5°C - +45°C
Sensitive element	thermal resistor 6,8 kOhm / 25 °C

