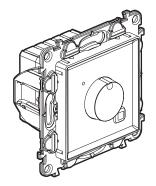


# Valena<sup>™</sup> Life Floor heating thermostat



### 1. USE

Control device for programming and regulating heating units for floor heating systems.

Delivered with sonde (4 m).

With N/O free contact and LED.

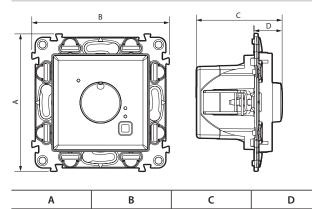
Mechanisms to be equipped with plates.

Screw or claw fixing.

### 2. RANGE

Designation	White	lvory	Aluminium	Black
Floor heating thermostat	7 521 34	7 522 34	7 523 34	7 563 34

## 3. DIMENSIONS (mm)



47

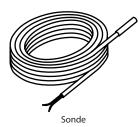
15.5

### **4. CONNECTION**

75

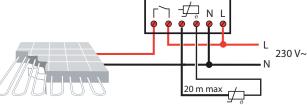
Number of terminals: 6 Type of terminals: with screws Terminal capacity: 2 x 1.5 mm<sup>2</sup> flexible or rigid cable Stripping length: 6 mm Tool: flat screwdriver 3.5 mm

75



## 4. CONNECTION (continued)





### **5. FUNCTION**

The thermostat (heating/cooling) is equipped with a temperature sensor and provides a changover relay switched depending on the ambient temperature.

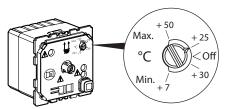
The regulation is ensured by an algorithm with a pulse-width controlled output (0...100% thus ensuring a minimal temperature variation relative to the ambient temperature).

Setting range from room temperature: from 7°C to 40°C

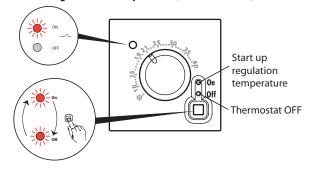
Setting range of the floor temperature: - max: from 25°C to 50°C

- min: from 7°C to 30°C

### ■ 5.1 Setting the floor temperature (external sensor)



■ 5.2 Setting the room temperature (internal sensor)

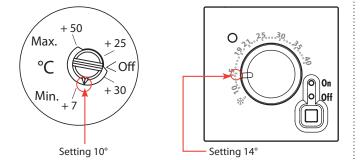


### 5. FUNCTION (continued)

The external probe is used to limit the temperature in the floor.

- 3 positions for adjusting the floor temperature: • choice of a maximum temperature (+25°C, +50°C)
- choice of a minimum temperature (+25 C, +30 C)
  choice of a minimum temperature (+7°C, +30°C)
- no temperature measurement (OFF)

**Example:** Ambient temperature set to 14°C with a protective low temperature set to 10°C, the relay will be switched on as soon as one of the two temperatures will be lower than the respective directions.



### 6. TECHNICAL CHARACTERISTICS

#### ■ 6.1 Mechanical characteristics

Protection against solid bodies and liquids: IP 40 Protection against impact: IK 02

#### ■ 6.2 Material characteristics Colour: White RAL 9003

Ivory RAL 1013 Painted Aluminium (C003A) Painted Black (C014A)

Material: Cover-plate: ABS Mechanism casing: PC Support: PC grey RAL 7037 + metal Claws: Steel

Halogen-free

UV-resistant Self-extinguishing: 850°C/30 s for insulating components holding live parts in place. 650°C/30 s for other insulating components.

#### ■ 6.3 Electrical characteristics

Voltage: 230 V~ Current: 16 A Frequency: 50/60 Hz • 6.4 Climate characteristics

# Storage temperature : -10°C to +70°C

Usage temperature: 0°C to +40°C

#### **7. MAINTENANCE**

Surface cleaning with a cloth. Do not use: acetone, tar remover, trichloroethylene. Maintenance with the following products:

Hexane (EN 60669-1), methylated spirit, soapy water, diluted ammonia, pure bleach diluted to 10%, window-cleaning products, pre-impregnated wipes.

**Caution:** Always test before using other special cleaning products.

# 8. STANDARDS AND APPROVALS

Compliant with installation and manufacturing standards. Refer to e. catalogue.

TC technical regulation "on the safety of low voltage equipment"