

PRODUCT SUBMITTAL 666

Product: **Single-Stage Non-programmable Radiant Heating Thermostat (519) with Floor Sensor**

Date: **27 February 2015**



Article No.	Description	Unit Weight lb (kg)
398022-001	Single-Stage Non-programmable Radiant Heating Thermostat (519) with Floor Sensor	0.60 (0.27)

TECHNICAL DESCRIPTION

Single-Stage Non-programmable Radiant Heating Thermostat 519	
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	0.6 lb (290 g)
Dimensions	3 11/16 H x 3 W x 15/16 in. D (94 x 76 x 24 mm)
Enclosure	White PVC plastic, NEMA type 1
Approvals	Meets Class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), RH ≤90% non-condensing
Power supply	10 to 30 V (ac/dc), 50/60 Hz, 1.8 VA standby, 56 VA max fully loaded, Class 2
Relay	30 V (ac/dc) 2 A, Class 2 circuits
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C±0.2°C) β=3892

For updates to this publication, visit na.rehau.com/resourcecenter

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. Before using, the user will determine suitability of the information for user's intended use and shall assume all risk and liability in connection therewith.

© 2015 REHAU

Slab Sensor 079	
Dimensions	3/16 OD x 1 1/2 in (5 OD x 38 mm)
Enclosure	316 stainless steel, 10 ft (3 m) 24 AWG, 300 volt PVC insulated zipcord
Approvals	CSA C US
Operating range	-58 to 140°F (-50 to 60°C)
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C±0.2°C) β=3892

FUNCTIONAL DESCRIPTION

Single-Stage Non-programmable Radiant Heating Thermostat with floor sensor is designed specifically to control hydronic radiant heating zones using pulse width modulation (PWM) technology. Simple up and down buttons and a display with large type make this thermostat easy to read and use. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.

Additional features:

- Auto heating cycle
- Radiant floor heating
- Pulse width modulation
- Floor- and air-temperature control
- Outdoor and floor temperature display
- Backlight
- Freeze protection