

Radiant Thermostat # 5110521

Two Stage, Programmable Heat/Heat or Heat/Cool with Sensor

The Programmable Thermostat 5110521 is designed for three different modes of operation: single stage heating, two stages of heating with a fan, or one stage of heating and one stage of cooling with a fan. Two auxiliary sensors may be added to measure the floor, outdoor or room temperature. A Slab Sensor 5110079 is included to measure floor temperature to protect the floor from overheating and enhance comfort. The programmable schedule supports either a 7 day or 24 hour schedule with 2 or 4 events per day. A permanent temperature hold button overrides the programmable schedule. An optional Adaptor Plate 5110012 is available to allow the thermostat to mount onto a single gang electrical box.



Specifications:

Radiant Thermostat 521 <i>Two Heat or Heat-Cool (Includes Sensor 5110079)</i>	
Literature	521_C, 521_D, 521_O, 521_U
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" 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)
-Included	Floor Sensor 5110079
-Optional	tekmar type # 070, 072, 073, 076, 077, 079, 084
Warranty	Limited 3 Year (See 521_D for full warranty)

Floor Sensor 5110079 <i>10' (3 m) wire</i>	
Dimensions	3/16" OD x 1-1/2" (5 OD x 38 mm)
Enclosure	316 stainless steel, 10' (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)

- Energy Saving Features
- 7 Day Programmable Schedule
- Additional Features
- Optimum Start • Permanent Temperature Hold • Radiant Floor Heating • Two Stage Heating • Cooling • Fan • Backlight • Outdoor and Floor Temperature Display • Time Clock • Four Hour Battery-free Clock Backup

Ordering Data

MrPEX Part#	Description	Type	Unit
5110521	Radiant Thermostat Air/Floor w/ sensor	Two Stage, h/h or h/c	Each
5110011	Wall Plate for #5110519 & 5110521	Spare Part	Each
5110079	Floor Sensor for #5110519 & 5110521, 10k 10ft	Spare Part	Each