

Stelpro Concerto Basic STF362NP

Stelpro Concerto Basic Non-Programmable Heated Floor Thermostat User Manual

Model: Concerto Basic STF362NP

1. INTRODUCTION

The Stelpro Concerto Basic is a non-programmable thermostat designed for precise and easy manual control of electric radiant in-floor heating systems. This unit is compatible with 120V, 208V, and 240V electrical systems and includes a Class A GFCI for enhanced safety. It comes with a floor sensor to ensure optimal comfort and efficient heating.



Image 1: Front view of the Stelpro Concerto Basic Non-Programmable Heated Floor Thermostat, displaying the digital screen with time and temperature.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in fire, electric shock, property damage, or personal injury.

- All electrical work must be performed by a qualified electrician and comply with local and national electrical codes.
- Disconnect power at the main circuit breaker before installing or performing any maintenance on the thermostat.
- The integrated Class A GFCI provides protection against ground faults, making this unit suitable for high-moisture areas like bathrooms. Regularly test the GFCI function as per local regulations.
- Do not immerse the thermostat or floor sensor in water or any other liquid.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Stelpro Concerto Basic Non-Programmable Thermostat
- 15-foot (4.57 m) Floor Sensor
- Installation Screws
- User Manual (this document)

4. INSTALLATION AND SETUP

4.1 Mounting the Thermostat

The thermostat is designed for installation in a standard electrical box. Ensure the mounting location is away from direct sunlight, drafts, or other heat sources that could affect temperature readings.

4.2 Wiring Instructions

This thermostat is compatible with 120V, 208V, and 240V electric heating systems, with a maximum load of 15 Amperes. Refer to the wiring diagram provided with the unit for specific connections. Ensure all connections are secure and comply with local electrical codes.

- Connect the incoming power supply wires to the designated LINE terminals.
- Connect the heating cable wires to the designated LOAD terminals.
- Connect the ground wire to the ground screw in the electrical box.

4.3 Floor Sensor Installation

The included 15-foot floor sensor should be installed within the floor heating system, typically embedded in the mortar or concrete, equidistant between heating cables. Ensure the sensor cable is protected from damage during installation. The thermostat allows selection between its internal ambient temperature sensor or the external floor sensor.



Image 2: The Stelpro Concerto Basic Thermostat mounted on a wall in a kitchen, demonstrating its aesthetic integration.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Initial Display

Once power is restored, the thermostat will display the current time and temperature. The backlit digital display ensures clear readability.

5.2 Setting the Temperature

Use the up and down buttons on the thermostat to manually adjust the desired setpoint temperature. The display will show the new setpoint briefly before returning to the current temperature.

5.3 Time and Date Settings

Access the menu to set the current time and date. The thermostat supports both 12-hour (AM/PM) and 24-hour formats. Refer to the detailed instructions in the full manual for menu navigation.

5.4 Adaptive Start Function

The adaptive start function allows the thermostat to learn the heating characteristics of your room. It will activate the heating system in advance to ensure the desired temperature is reached precisely at the scheduled time, optimizing comfort and energy use.

5.5 Pre-configured Schedules

Although non-programmable in the traditional sense, the Concerto Basic comes with 6 pre-configured events for weekday and weekend use. These schedules can be adjusted to suit your specific needs, providing a balance of manual control and convenience.

6. FEATURES

- **Manual Control:** Simple and intuitive operation without the need for apps or complex programming.
- **Integrated Class A GFCI:** Built-in ground fault circuit interrupter with a test light for enhanced safety, especially in wet environments.
- **Wide Voltage Compatibility:** Works with 120V, 208V, and 240V electric heating systems.
- **Floor Sensor Included:** Comes with a 15-ft floor sensor for accurate floor temperature monitoring.
- **Adaptive Start:** Ensures your space reaches the desired temperature at the scheduled time.
- **Clock Display:** Features a clear digital clock display.
- **Universal Sensor Compatibility:** Can be used with floor sensors from other brands.

7. MAINTENANCE

The Stelpro Concerto Basic thermostat requires minimal maintenance.

- **Cleaning:** Clean the thermostat casing with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface or internal components.
- **GFCI Test:** Periodically test the GFCI function by pressing the 'TEST' button on the thermostat. The GFCI should trip, cutting power to the heating system. Reset the GFCI by pressing the 'RESET' button. If it does not trip or reset, contact a qualified electrician.

8. TROUBLESHOOTING

If you encounter issues with your thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat display is blank.	No power supply.	Check the circuit breaker for the heating system. Ensure wiring connections are secure.
Heating system not turning on.	GFCI tripped; setpoint too low; wiring issue.	Press the GFCI 'RESET' button. Increase the setpoint temperature. Verify wiring connections.
Incorrect temperature reading.	Sensor issue; incorrect sensor selection.	Ensure the floor sensor is properly connected. Check thermostat settings to confirm the correct sensor (internal or external) is selected.
GFCI trips frequently.	Ground fault in heating system or wiring.	This indicates a serious electrical issue. Immediately contact a qualified electrician to diagnose and repair the fault.

9. SPECIFICATIONS



Image 3: Dimensions of the Stelpro Concerto Basic Thermostat.

Attribute	Detail
Brand	Stelpro


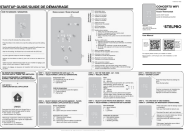

Attribute	Detail
Model Name	Concerto Non-Prog (STF362NP)
Product Dimensions	5D x 8.1W x 12.9H Centimetres (approx. 5.08" H x 3.19" W x 0.75" D)
Material	Plastic
Colour	White
Voltage Compatibility	120V, 208V, 240V
Maximum Load	15 Amperes (1800W @ 120V, 3800W @ 240V)
Special Features	Clock Display, Class A GFCI
Included Components	Floor Sensor (15 ft)
Item Weight	330 g



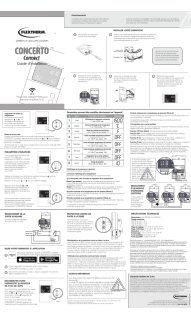
10. WARRANTY AND SUPPORT

Stelpro stands behind the quality of its products.

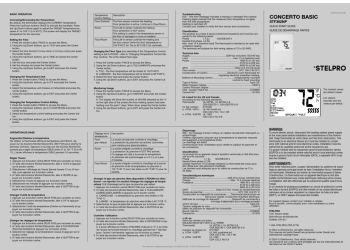
- **Warranty:** This Stelpro Concerto Basic thermostat is backed by a 3-year manufacturer warranty. Please retain your proof of purchase for warranty claims.
- **Manufacturer:** Stelpro
- **Place of Business:** Stelpro - 1041 Rue Parent, Saint-Bruno-de-Montarville, QC J3V 6L7
- **Support:** For technical assistance, warranty inquiries, or further information, please contact Stelpro customer service. Refer to the official Stelpro website for current contact details.

Related Documents - Concerto Basic STF362NP

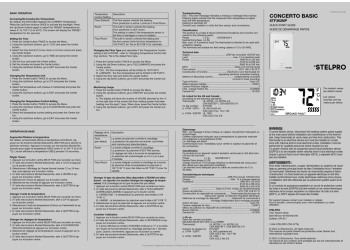
	<p>Stelpro True Comfort Floor Heating Systems Installation and Selection Guide</p> <p>Comprehensive guide to selecting and installing Stelpro True Comfort floor heating systems, covering compatibility, sizing, product codes, and installation steps.</p>
	<p>Stelpro CONCERTO WIFI STF362WF Touch Thermostat Quick Start and Mounting Guide</p> <p>This guide provides instructions for setting up and installing the Stelpro CONCERTO WIFI STF362WF Touch Thermostat. It covers navigation, initial setup steps, wiring, technical specifications, and certifications.</p>
	<p>STELPRO STCP Electronic Thermostat User's Guide for Heating Floors</p> <p>Comprehensive user's guide for the STELPRO STCP electronic thermostat, covering installation, operation, programming, troubleshooting, technical specifications, and warranty information for heating floors.</p>

	<p>STELPRO STCNP Single Programming Electronic Thermostat User Guide</p> <p>Comprehensive user guide for the STELPRO STCNP Single Programming Electronic Thermostat for heating floors. Includes installation, operation, troubleshooting, and technical specifications.</p>
	<p>DEVireg Basic Installation Guide and User Manual</p> <p>This document provides installation instructions, safety guidelines, technical specifications, and usage information for the DEVireg Basic smart, programmable floor heating thermostat with Bluetooth connectivity. It covers installation steps, wiring diagrams, troubleshooting, and warranty information.</p>
	<p>Flextherm CONCERTO Connect Installation Guide</p> <p>This guide provides step-by-step instructions for installing the Flextherm CONCERTO Connect smart floor heating thermostat (model FLP55). It covers wiring, setup, user settings, and troubleshooting.</p>

Documents - Stelpro – Concerto Basic STF362NP



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