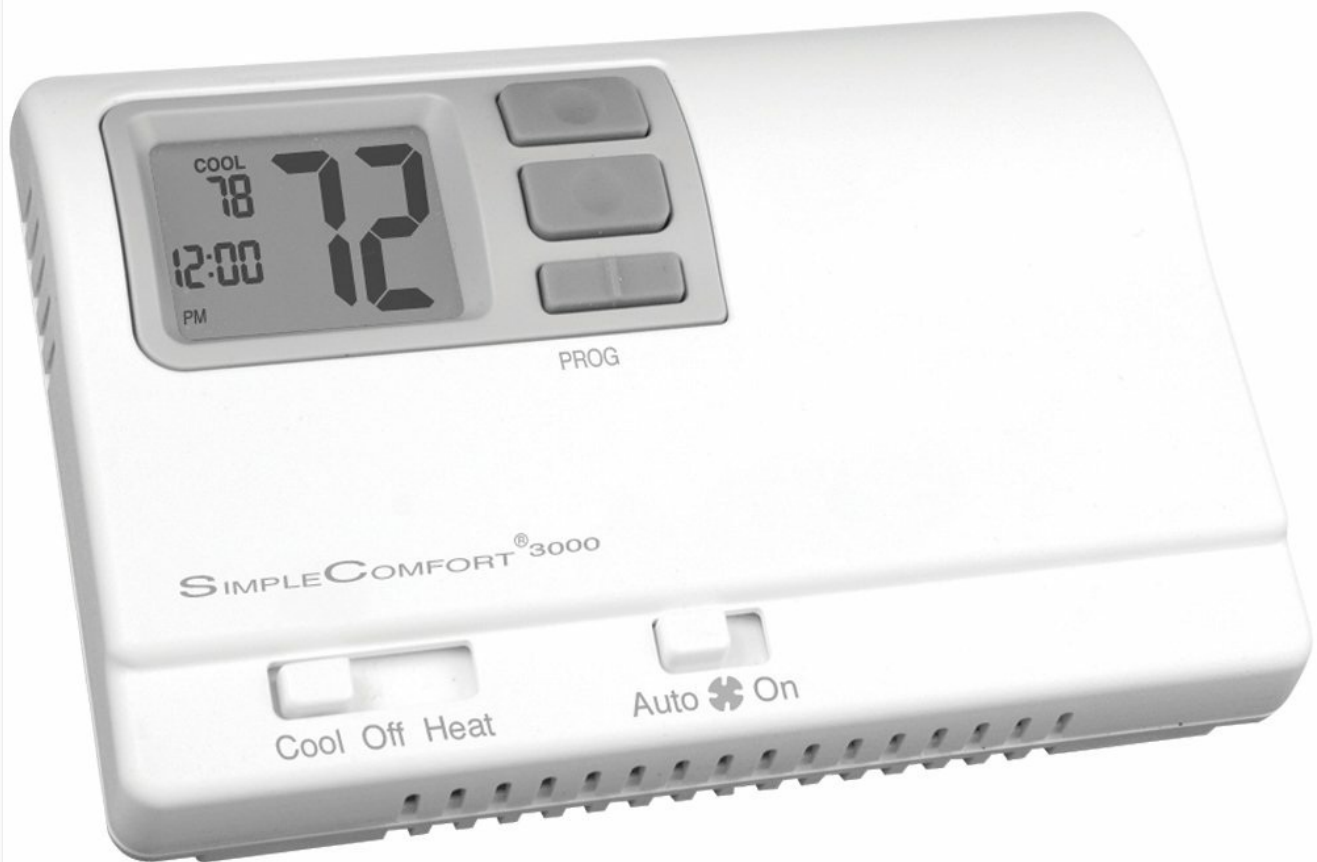## ICM Controls SC3000L

ICM Controls SC3000L Programmable Thermostat User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ICM Controls SC3000L Simple Comfort Programmable Thermostat. This device is designed to provide precise temperature control for single-stage heating/cooling or single-stage heat pump systems, featuring a backlit display for enhanced visibility and manual changeover capabilities. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

An image showing the front view of the ICM Controls SC3000L thermostat. It is white with a large backlit digital display showing 'COOL 78', '72', '12:00 PM'. Below the display are three gray buttons on the right labeled 'PROG'. At the bottom, there are two sliders: one for 'Cool Off Heat' and another for 'Auto On'.

FEATURES

- **7/5-2/5-1-1-Day Programmable:** Offers flexible scheduling options to suit various lifestyles.
- **Backlit Display:** Provides clear visibility of temperature, time, and settings, even in low light conditions.
- **Manual Changeover:** Allows users to manually switch between heating and cooling modes.
- **Battery Powered:** Operates on battery power, offering installation flexibility.
- **Single-Stage H/C or Single-Stage HP Compatibility:** Designed for versatile application with common HVAC systems.
- **Touch Control:** Intuitive interface for setting adjustments.

SETUP AND INSTALLATION

Important: Installation should be performed by a qualified HVAC technician. Ensure all power to the HVAC system

is turned off at the circuit breaker before beginning installation to prevent electrical shock or equipment damage.

1. **Power Disconnection:** Turn off the power to your heating and cooling system at the main fuse or circuit breaker.

2. **Remove Old Thermostat:** Carefully remove your old thermostat from the wall. Note the wiring connections before disconnecting them. It is recommended to label each wire with the terminal designation it was connected to.

3. **Mounting Location:** Choose a location on an interior wall, away from direct sunlight, drafts, or heat sources that could affect temperature readings.

4. **Mounting the Base:** Secure the thermostat's mounting base to the wall using the provided screws.

5. **Wiring:** Connect the wires to the appropriate terminals on the new thermostat base, following the wiring diagram provided with the product packaging. Ensure connections are secure.

6. **Battery Installation:** Insert fresh batteries (typically AA or AAA, refer to product packaging) into the battery compartment. Observe correct polarity.

7. **Attach Thermostat Body:** Carefully snap the thermostat body onto its mounted base.

8. **Restore Power:** Turn the power back on to your HVAC system at the circuit breaker.

9. **Initial Setup:** Follow the on-screen prompts or refer to the quick start guide for initial time and date settings.

OPERATING INSTRUCTIONS

Setting the Temperature

- Use the UP/DOWN arrow buttons (located near the display) to adjust the desired temperature setpoint. The display will show the current temperature and the set temperature.

Programming Schedules

The SC3000L offers 7-day, 5-2 day, or 5-1-1 day programming options. Refer to the detailed programming section in the full product manual for specific steps on setting daily schedules (Wake, Leave, Return, Sleep periods).

- Press the 'PROG' button to enter programming mode.
- Use the UP/DOWN arrows to adjust time and temperature for each program period.
- Use the 'PROG' button to advance through program periods and days.
- Save settings by exiting programming mode (usually by pressing 'RUN' or waiting for auto-exit).

Mode Selection (Cool/Off/Heat)

Use the system mode switch located at the bottom of the thermostat to select the desired operating mode:

- **Cool:** The system will operate to cool your home to the set temperature.
- **Off:** The heating and cooling system is turned off.
- **Heat:** The system will operate to heat your home to the set temperature.
- **Auto:** (If available) The thermostat automatically switches between heating and cooling as needed to maintain the set temperature range.

Fan Control (Auto/On)

Use the fan mode switch located at the bottom of the thermostat to control the fan operation:

- **Auto:** The fan runs only when the heating or cooling system is actively operating. This is the most energy-

efficient setting.

- **On:** The fan runs continuously, regardless of whether the heating or cooling system is active.

MAINTENANCE

- **Battery Replacement:** Replace batteries annually or when the low battery indicator appears on the display. Use high-quality alkaline batteries.
- **Cleaning:** Gently wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the thermostat.
- **System Checks:** Periodically check your HVAC system's air filters and ensure vents are unobstructed for optimal performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Display / Blank Screen	Dead batteries; No power to thermostat.	Replace batteries; Check circuit breaker for HVAC system.
System Not Responding (No Heat/Cool)	Incorrect mode selected; Blown fuse/tripped breaker; Wiring issue.	Verify thermostat mode (Heat/Cool); Check HVAC system's power; Consult technician for wiring.
Incorrect Temperature Reading	Thermostat exposed to drafts/heat sources; Sensor malfunction.	Relocate thermostat if possible; Contact support if sensor is faulty.
Programming Issues	Incorrect programming steps; Program not activated.	Review programming section in manual; Ensure thermostat is in 'Run' or 'Auto' mode.

SPECIFICATIONS

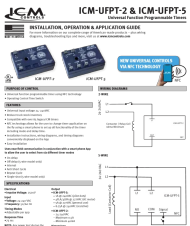| Specification	Detail
Brand	ICM Controls
Model Number	SC3000L
Controller Type	Touch
Special Feature	Auto Changeover, Programmable
Color	Multicolor
Specific Uses For Product	Heat Pump
Temperature Control Type	Programmable
Power Source	Battery Powered

Specification	Detail
Display Type	Manual (Backlit LCD)
Control Method	Touch, Button Control
Mounting Type	Panel Mount
Item Weight	9.6 ounces
Package Dimensions	6.6 x 4.3 x 1.4 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your ICM Controls SC3000L thermostat, please refer to the warranty card included with your product or visit the official ICM Controls website. It is recommended to have your model number and purchase date available when contacting support.

Online Resources: For additional support, FAQs, and product documentation, please visit the ICM Controls official website.

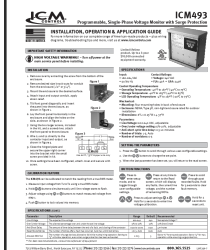## Related Documents - SC3000L

	ICM i3 Wi-Fi Programmable Thermostat: Installation, Operation, and Application Guide This guide provides comprehensive instructions for installing, operating, and configuring the ICM i3 Wi-Fi Programmable Thermostat. It covers features, specifications, wiring diagrams, troubleshooting, and Wi-Fi setup for HVAC systems.
	ICM-UFPT-2 & ICM-UFPT-5 Universal Function Programmable Timers Installation & Operation Guide Comprehensive installation, operation, and application guide for ICM Controls ICM-UFPT-2 and ICM-UFPT-5 Universal Function Programmable Timers featuring NFC technology for easy setup and programming.
	ICM Controls SC3010 N/L Programmable Electronic Thermostat: Installation, Operation, and Application Guide A comprehensive guide for the ICM Controls SC3010 N/L programmable electronic thermostat, detailing installation, configuration, programming, operation modes, troubleshooting, and warranty information. This document provides instructions for setting up and using the thermostat for heating and cooling systems.
	ICM Controls SC1600L/VL Non-Programmable Electronic Thermostat Installation and Operation Guide Detailed installation, operation, configuration, and troubleshooting guide for the ICM Controls SC1600L/VL non-programmable electronic thermostat, including specifications, safety warnings, and warranty information.

[ICM325A Single Phase Universal Head Pressure Control Installation Guide](#)
Installation, operation, and application guide for the ICM325A Single Phase Universal Head Pressure Control. Features NFC technology for programming via the ICM Omni App, dual sensor inputs, heat pump bypass, and universal voltage.

[ICM493 Programmable Single-Phase Voltage Monitor with Surge Protection Installation Guide](#)
Detailed guide for installing, operating, and applying the ICM493 Programmable Single-Phase Voltage Monitor with Surge Protection. Covers safety, installation steps, calibration, specifications, and button functions for HVAC and industrial applications.