



Technician Settings

Temperature limits and Offset

- Press the ON button to turn the thermostat ON or OFF (The word "ON" or "OFF" will appear on display)
- Adjust the set-point temperature to 50°F.
- Press and hold the SELECT button (5 sec.) – "COOL" and the temperature limit for cooling will appear on display.
- Adjust the temperature limit for cooling (Limit Cool) using the "+" and "-" buttons.
- Press the SELECT button again – "HEAT" and the temperature limit for heating will appear on display.
- Adjust the temperature limit for heating (Limit Heat) using the "+" and "-" buttons.

Note: Limit Heat should be higher than Limit Cool).

- Press the SELECT button again – the OFFSET temperature will appear on display (number between -6...+6). The offset is used for calibration of the measured temperature.
- Adjust the Offset for ambient temperature reading using the "+" and "-" buttons.
- Press the SELECT button again to return to normal display.

Lock/Unlock

Use the Lock option to prevent users from making unwanted changes. When the thermostat is locked, the SELECT button and the "+" and "-" buttons do not work.

However, the users can turn the thermostat ON or OFF.

When locked, the display will alternate between "Loc" and real time clock.

- Make sure both temperature set-points are different than 50°F.
- Lock the thermostat - Press and hold the SELECT button (20 seconds) until "Loc" will appear on display.
- Unlock the thermostat - Press and hold the SELECT button again (20 seconds) until "UnLo" will appear on display.

Freeze Protection

When the temperature drops below 45°F, the thermostat will turn on the Heat and Fan outputs in order to protect the system from freezing.

This function will be activated when the thermostat is either in On or Off position.

The Display will alternate between "AL" and "TEMP"

The thermostat will return to normal mode when the temperature rises above 48°F.

DIP Switch configuration

Switch	Internal/External Sensor		HP		Time delay for compressor	
	Internal sensor	External sensor	Heat Pump in heat "B"	Heat Pump in cool "O"	No delay	3 Minutes
1	OFF*	ON	X	X	X	X
2	X	X	ON		X	X
3	X	X	ON	OFF	X	X
4	X	X	X	X	ON	OFF*
5	OFF*	ON	X	X	X	X
6	ON*	OFF	X	X	X	X

*Default

SCI L.L.C

Tel: 215-766 1487

Fax: 215-766 1493

E-mail: support@scillc.com

Title:

FMT24-HP21-2S-FP-PROG

Date: 09 Dec 2008

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New S/W

09.12.08

1

Original

09.01.08

Print name: FMT24/PROG

Drawn: P.Rechtman

Software: 07213704

Checked: S.Lukin

Checksum: 786E

Approved: E.Roy

File: fmt24-hp21-2s-fp-prog_sci.vsd