



insight™

9720i DELUXE
PROGRAMMABLE
THERMOSTAT



HEAT PUMP



Homeowner Friendly™

Menu Driven Display
2 Heat / 2 Cool

Programming Made Easy

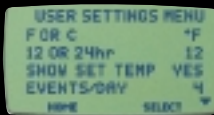
Did you hear that 70% of people who own a programmable thermostat don't know how to use them?*

 We listened. Finally, a programmable thermostat that's easy to program. Similar to a common cell phone, insight's unique programming style is so easy, you don't even need a manual.

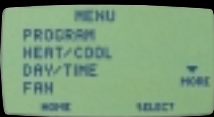
Since programming is a breeze, your customers will really appreciate energy saving features like adjustable minimum and maximum temperature controls, and Energy Efficient Recovery™.

The 9720i is compatible with all standard 24 Volt AC heat pump systems, up to two stage heat and two stage cool. We took the guess work out and put simplicity in. Programming made easy... it's pure insight.

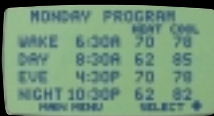
Features and Benefits



Full Featured Settings
Set insight to your customer's unique lifestyle and language—English, Spanish or French.



Conversational Menus
Take programming step by step in plain, easy to understand language.



Convenient Displays
View a full day of programming at once for quick review or easy adjustment.

Menu Driven Display — Only insight™ offers selectable menus.

Worry-Free Memory Storage — Even during power outages, the thermostat maintains setpoint and programmed parameters.

Fully Programmable — 7 day, 5/2, 5/1/1 or 24 hour programming menus.

Adjustable Events Per Day — 2, 4 or 6 events per day for greater control of your customer's comfort.

High/Low Balance Point Control — When connected to the outdoor sensor, model 9025i, the thermostat can automatically control first and second stage activities with adjustable set points.

* Based on Consumer studies done by the research firm Decision Analyst, Inc.

Selectable 2nd Stage Heating (Fossil Fuel Kit) — Choose internal auxiliary or a remote heating system.

Adjustable 1st and 2nd Stage Differential — Maintains optimal customer comfort.

Adjustable Timed Upstaging — Helps maintain optimal temperature or energy savings.

Remote Indoor and Outdoor Sensor Capable — For greater control of indoor comfort and system efficiency.

EER™ (Energy Efficient Recovery) — Increases energy savings. EER™ allows gradual recovery from setback temperature to minimize use of auxiliary systems.

Temperature Adjustment Limits — Set minimum and maximum temperature settings.



Technical service available:
1-800-445-8299
M-F 7:30 a.m. - 5:30 p.m. CST



Two Year Warranty



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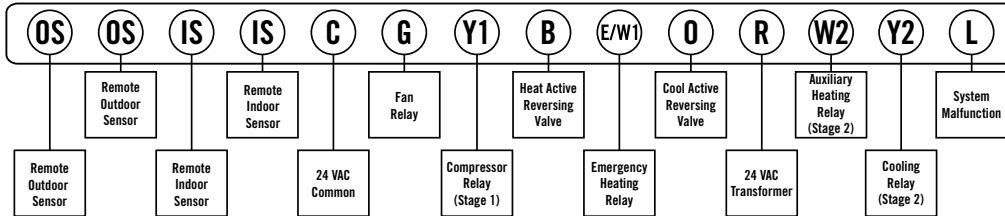
HEAT PUMP

Menu Driven Display
2 Heat / 2 Cool



Optional Sensors:
9020i REMOTE INDOOR
9025i REMOTE OUTDOOR

Terminal Designations



Shipping Information

Indiv. Ctn. Dim.: 6.625" x 4.25" x 1.625"
Master Ctn. Qty.: 6
Master Ctn. Dim.: 9.25" x 5.625" x 7.5"
Master Ctn. Cu. Ft.: .23
Master Ctn. Wt.: 3.5 lbs.
Max. Pallet Qty.: 1260
Max. Pallet Wt.: 785 lbs.

Item 9020i and 9025i Remote Sensors
Indiv. Ctn. Dim.: 2.625" x 1.5625" x 4.4375"
Master Ctn. Qty.: 6
Master Ctn. Dim.: 5.625" x 5.125" x 5.125"
Master Ctn. Cu. Ft.: .09
Master Ctn. Wt.: .78 lbs.

THE INVENSYS 9720i REPLACES:

White-Rodgers Co.*	1F93-380, 1F94-80
Honeywell, Inc.*	T8611G, T7300E, T7300F
Carrier Corp.*	P274-2100, P274-1300, P374-1000, P374-1100, P474-1050

* Verify specific application requirements before substitution.

Specifications

Electrical rating: 24 Volt AC (18-30 VAC)
1.0 amp maximum load per terminal (relay outputs)
4 amp total maximum load (all terminals combined)
Temperature control range: 45°- 90°F (7°- 32°C)
Accuracy: +/-1.0°F (+/-0.5°C)
Auto Changeover deadband: Selectable 2° to 8°F
Temporary temperature override: 3 hour maximum or next setpoint
Remote sensor capable: 1 indoor and 1 outdoor sensor
System configurations: Multi-stage heat pumps
Terminations: R, E, Y1, B, W2, Y2, L, O, G, C, IS, OS, OS

Other Multi-Stage Heat Pump Thermostats

9620: Programmable, 7 Day
9520: Non-Programmable

Feature Comparison	Invensys insight 9720i	Honeywell, Inc. T8611G	Carrier Corp. P274-2100	White-Rodgers Co. 1F93-380
Menu Driven (Ease of Programming)	X			
5/2 Day Programming	X			
24 Hr. Programming	X			
7 Day Programming	X	X	X	X
Large Display	X		X	X
Back Lighting	X		X	X
Battery Free Memory Retention	X	X	X	X
Manual Override	X	X	X	X
Resume	X	X	X	X
Auto Changeover	X	X	X	X
Fossil Fuel Compatible	X			X
Line Powered	X	X	X	X
Programmable Fan	X	X	X	X
Intermittent Fan	X		X	X
*F and °C	X	X	X	X
12 or 24 Hour	X	X		
Air Filter Monitor	X		X	X
Vacation Setting	X		X	X
O & B Terminals	X	X	Partial	X
Events / day	2, 4, 6	4	4	4
Adjustable Temperature Limits	X	X		
Remote Outdoor Sensor	X	X	X	X
Remote Indoor Sensor	X			X
LED Status Indicators	X		X	X
Adjustable Differential	X	X	X	X
Energy Efficient Recovery	X	X	X	X
Pre-Set Program	X	X	X	X
Hidden Service Level	X	X	X	
Security Key Pad	X		X	X
Compressor Short Cycle Protection	X	X	X	X
Adjustable Residual Cooling	X			X
1/2 Degree Resolution	X			

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Patents Pending
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