

Robertshaw®

9851i

DELUXE
PROGRAMMABLE
THERMOSTAT



GAS



ELECTRIC



OIL



HEAT PUMP



Homeowner Friendly™



Menu Driven Display
1 Heat / 1 Cool

Comfort Made Easy

Complete Temperature and Humidification / Dehumidification Control

We've combined humidity and temperature control in one easy-to-install, easy-to-program package. This versatile thermostat provides control over both humidification and dehumidification. Your customers will enjoy the maximum comfort and energy savings, and you will benefit from the time and effort saved by installing a single device that does the work of two.

Our 9851i thermostat combines all the award winning features of our 9700i series thermostats with the convenience of humidity control. When used in conjunction with our 9025i outdoor sensor, the 9851i minimizes condensation and maintains optimal comfort. We've even added a calibration feature to fine tune the thermostat to the individual's unique environment.

The 9851i is compatible with most 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. It's programming made easy.



Features and Benefits

SELECT A LANGUAGE

ENGLISH
SPANISH

USER MENU SELECT

Bilingual Display Option

Set to your customer's unique lifestyle and language—English or Spanish.

MENU

PROGRAM
HEAT/COOL
HUMIDITY
DEHUMIDITY

HOME SELECT

Conversational Menus

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

MONDAY PROGRAM

	HEAT	COOL
WAKE 6:30A	70	78
DAY 8:30A	62	85
EVE 4:30P	70	78
NIGHT 10:30P	62	82

MAIN MENU SELECT

Convenient Displays

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

CONTACT INFORMATION

AIR EXPERTS
555-2364

ACCEPT NEXT

Contractor ID Feature

Set your name and phone number to remind customers when service is needed.

Integrated Humidity Sensing – Automatically adjusts indoor humidity levels, prevents condensation and maintains desired comfort level.

Auto Changeover – Automatically adjusts between heating and cooling cycles to maintain optimal comfort.

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 or 4 events per day for greater control of your customer's comfort.

Three Level Security – Secure protection against unwanted changes to the programming menus, temperature or set-up functions.

Adjustable Temperature Differential – Maintains optimal customer comfort.

Programmable Fan – Energy cost savings. Allows user to set and provide continuous circulation for optimal comfort.

Intermittent Fan – For minimum hourly fan circulation rates for optimal filtration with minimal energy use.

Three Hold Settings – Permanent program override, a temporary 3 hour override or a temporary override adjustable from 1 to 12 hours.



Technical service available:

1-800-445-8299

M-F 7:00 a.m. - 5:30 p.m. CST



Two Year Warranty

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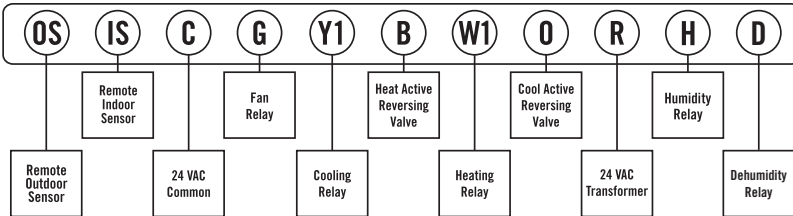
HEAT PUMP

Menu Driven Display
1 Heat / 1 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 ROBERTSHAW 9851i REPLACES:

Honeywell, Inc.*	PC8900
Carrier Corp.*	P374-1100, THERMIDISTAT
White-Rodgers*	1F97-391

* Verify specific application requirements before substitution.

Specifications

Electrical rating: 24 Volt AC (18-30 VAC)
1 amp maximum load per terminal (relay outputs)
3 amp total maximum load (all terminals combined)
Temperature control range: 45°- 90°F (7°- 32°C)
Accuracy: +/-1.0°F (+/-0.5°C)
Power Source: 24 VAC
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: Single-stage gas, oil or electric heating/cooling systems and single stage heat pump
Terminations: R, W1, Y1, B, O, G, C, IS, OS, H

Other Single Stage Heat / Cool Thermostats

9200: Mercury-Free Deluxe Mechanical
9600: Programmable, 5-2 Day
9610: Programmable, 7 Day
9700i: Deluxe Programmable, 7 Day
9801i: Humidification, 7 Day
9901i: Commercial, 7 Day

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Feature Comparison

Feature Comparison	Robertshaw 9851i	Honeywell, Inc. PC8900	Carrier Corp. THERMIDISTAT
Manual Override	X	X	X
EEPROM	X	X	X
Compressor Short Cycle Protection	X	X	X
7 Day Programming	X	X	X
Resume	X	X	X
Auto Changeover	X	X	X
Line Powered	X	X	X
Programmable Fan	X	X	X
O & B Terminals	X	X	Partial
°F and °C	X	X	X
Status Indicators	X	X	X
Adjustable Differential	X	X	X
Gas/Electric	X	X	X
Energy Efficient Recovery		X	X
Manual Humidity Control	X	X	X
Automatic Humidity Control based on Outdoor Temperature	X	X	X
Dehumidity Control	X	X	X
Pre-Set Program	X	X	X
Independent Humidity & Dehumidity Control	X		
4 Hour Reserve	X	X	X
Events / day	2, 4	4	4
Hidden Service Level	X	X	X
Remote Outdoor Sensor	X	X	X
Security Key Pad	X	X	X
Vacation Setting	X	X	X
Air Filter Monitor	X	X	X
12 or 24 Hour	X	X	
Condensation Control	X	X	
Remote Indoor Sensor	X	X	
Large Display	X		X
Back Lighting	X		X
Service Interval Reminders	X		
5/2 Day Programming	X		
Adjustable Residual Cooling	X		
1/2 Degree Resolution	X		
Menu Driven (Ease of Programming)	X		
24 Hr. Programming	X		

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