

# Robertshaw®

# 9801i

DELUXE  
PROGRAMMABLE  
THERMOSTAT



GAS



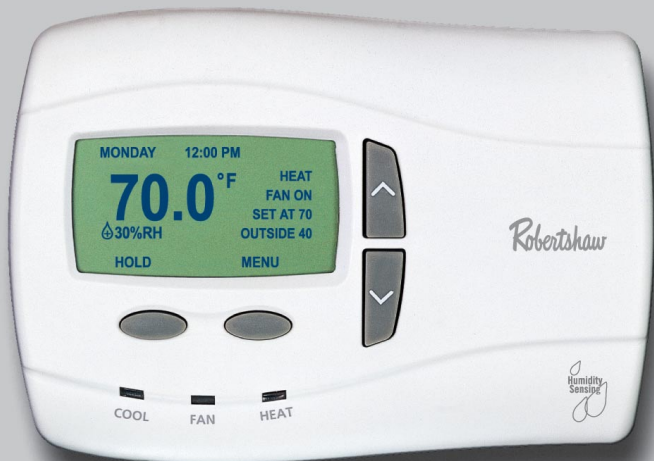
ELECTRIC



OIL



HEAT PUMP



Homeowner Friendly™



Menu Driven Display  
1 Heat / 1 Cool

## Comfort Made Easy

### Temperature and Humidity Control.

We've combined humidity and temperature control in one easy-to-install, easy-to-program package. 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 9800i series thermostats contain all the features and benefits of our award-winning 9700i series\*, including our simple, menu-driven programming that's similar to a cell phone. Plus, you can set the thermostat to maintain optimal comfort and minimize condensation (requires optional outdoor sensor 9025i). We've even integrated a calibration feature to help tune the thermostat to your unique environment.

The 9801i 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. 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  
DAY/TIME  
FAN

MORE

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		
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.

\* The 9800i series currently offers two display options - English or Spanish.

**Adjustable Events Per Day** – 2, 4 or 6 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



24 VAC POWERED



Two Year Warranty

# Robertshaw®

# 9801i

DELUXE  
PROGRAMMABLE  
THERMOSTAT



GAS



ELECTRIC



OIL



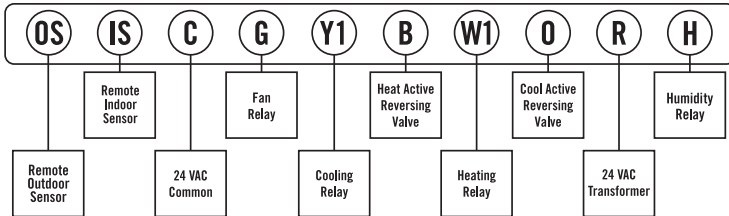
HEAT PUMP

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 9801i REPLACES:

Honeywell, Inc.*	PC8900
Carrier Corp.*	P374-1100, THERMIDISTAT

\* 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

Feature Comparison	Robertshaw 9801i	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	X
Manual Humidity Control	X	X	X
Automatic Humidity Control based on Outdoor Temperature	X	X	X
Pre-Set Program	X	X	X
4 Hour Reserve	X	X	X
Events / day	2, 4, 6	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		

All marks shown are the property of their respective owners.

invensys®

Climate Controls Americas  
515 South Promenade Avenue  
Corona California 92879-1736 USA  
Telephone +1 800 304 6563 Facsimile +1 800 426 0804  
Outside the USA +1 630 260 3402  
Patents Pending [www.icca.invensys.com](http://www.icca.invensys.com)  
©2003 Climate Controls Americas 8/03 - #150-1707

Distributed by: