

Robertshaw®

300-227

DELUXE
PROGRAMMABLE
THERMOSTAT



HEAT PUMP



7 Day Programmable
3 Heat / 2 Cool Gas / Electric
or 2 Heat / 1 Cool Heat Pump



Elegantly Sophisticated

The Robertshaw 300-227 takes comfort to the next level with state-of-the-art control for commercial applications.

Controlling your indoor environment is easy with standard features such as Auto Changeover, independent switching circuitry, Programmable Fan and selectable 2 or 4 events per day. Coupled to EEPROM permanent memory storage and a tamper-free control setting, this model provides worry-free operation.

Conventional control in an unconventional package. When you select a Robertshaw thermostat, you've made the choice of an industry partner that's been making quality products for over 100 years.

Features and Benefits

Contemporary Design

Compliments any décor.

Large Digital Display

Makes viewing and setting the temperature easy and accurate.

Auto Changeover

Automatically switches into heat or cool mode. Prevents having to manually change system from heat to cool.

3-Hour Temporary Program Override

Allows for manual temperature adjustment.

2 or 4 Events Per Day

Customizable for any environment.

Occupancy Terminal

A set of dry contacts allows control of fresh air dampers, security lighting, etc., for occupied and unoccupied periods.

LED Indicators

Two customizable LEDs for selectable fault indicators.

EEPROM Memory

Electronic memory storage with no batteries to replace.

Automatic Compressor Short Cycle Protection

A system safeguard. Reduces wear and tear of HVAC equipment.

Progressive Recovery

Allows gradual recovery from setback periods for increased energy savings.

Lockable Keypad and Front Cover

Two levels of security against unwanted tampering.

Remote Sensor Capable

Connects to optional remote indoor or outdoor sensors for optimal comfort.



Technical service available:

1-800-445-8299

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

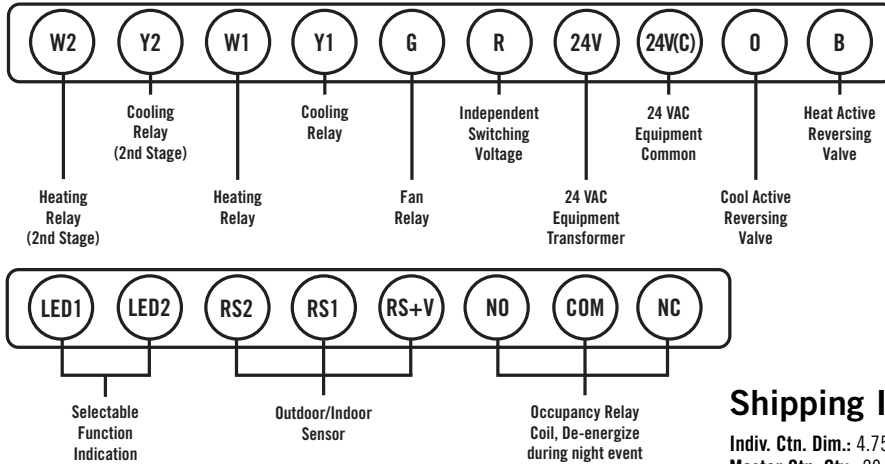


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Terminal Designations



Optional Remote Sensors:

INDOOR 10-528
OUTDOOR 10-529

THE ROBERTSHAW 300-227 REPLACES:

White-Rodgers Company*	1F91, 1F92, 1F94
Honeywell, Inc.*	T7300D2002, T7300F2010

* Verify specific application requirements before substitution.

Shipping Information

Indiv. Ctn. Dim.: 4.75" x 6" x 1.75"
Master Ctn. Qty.: 20
Master Ctn. Dim.: 10" x 6.25" x 17.5"
Master Ctn. Cu. Ft.: .64
Master Ctn. Wt.: 15 lbs.
Max. Pallet Qty.: 1120
Max. Pallet Wt.: 860 lbs.

Item 10-528 & 10-529 Remote Sensors

Indiv. Ctn. Dim.: 4.75" x 6" x 1.75"
Master Ctn. Qty.: 40
Master Ctn. Dim.: 10" x 12.5" x 17.5"
Master Ctn. Cu. Ft.: 1.28
Master Ctn. Wt.: 14 lbs.

Specifications

Electrical rating: 24 Volt AC (20-30 VAC)
0.05 amp - 0.75 amp per output
3 Amp total maximum load (all terminals combined)

Temperature control range:
Heating: 40° - 88°F (6° - 30°C)
Cooling: 60° - 108°F (16° - 40°C)

Accuracy: +/-1°F at 68°F (0.5°C at 20°C)

Auto Changeover deadband: 2°F (1°C)

Temporary temperature override: 3 hours maximum

Remote sensor capable: Up to 6 remote sensors

System configuration: multi-stage heat pump systems (up to 2 stages of heat, 1 stage cool) or multi-stage gas, oil, or electric heating/cooling (3 stages of heat, 2 stages of cooling)

Other Multi Stage Heat Pump Thermostats

9520: Digital, Non-Programmable
9620: Programmable, 7 Day
9720: Deluxe Programmable, 7 Day
300-202: Digital, Non-Programmable
300-208: Digital, Non-Programmable
300-226: Deluxe Programmable, 7 Day

Architectural / Engineering Specification

The thermostat shall be a Robertshaw Model 300-227 or equivalent. The thermostat shall have seven-day programmability with up to 4 time/temperature changes per day. The thermostat will allow temporary temperature override for a maximum of 3 hours or the next setpoint time, whichever occurs first. The thermostat shall allow the user to program the system fan separately for continuous or automatic operation for each of the 4 time setpoints per day to meet local application and code requirements.

It shall be capable of operating with standard 24 VAC heat pump systems with up to 2 stages of heat and 1 stage of cooling or 3 stages of heat and 2 stages of cooling for gas, oil or electric heating and/or electric heating /cooling systems. The thermostat shall have an electrical rating of 0.75 amp maximum load per terminal, 3 amp total maximum load for all terminals combined. The thermostat shall have relay outputs with standard 24 VAC control circuits and be equipped with back-up circuitry to prevent loss of programming in memory during power outages.

The thermostat shall have automatic changeover capability to allow the thermostat to determine whether the heating or cooling program should be used to control room temperature.

The keypad and case shall have an integral lock to prevent tampering and/or the altering of the program. The switching voltage shall be independent of the heating and cooling system transformer. The thermostat will provide remote sensor capability for up to six temperature sensors (including main thermostat sensor). The thermostat shall be equipped with a 5-minute delay on break for compressor short cycle protection during cooling operation to prevent compressor damage.



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