

# Robertshaw. MECHANICAL WALL THERMOSTATS

## 500 SERIES LOW COST, LOW VOLTAGE HEATING AND/OR COOLING THERMOSTATS

The 500 Series Thermostats are designed for years of quality performance. All models feature a hermetically sealed-in-glass mercury switch, and no subbase is required.

Models are available for 24 volt heating and / or cooling, millivolt heating, and single or multistage heat pump applications.

These thermostats are inexpensive and easy to install. This makes them great for apartments, housing authorities and low end construction.

This new line of Robertshaw thermostats are well suited for any application – residential, commercial or institutional.

### SPECIFICATIONS

#### Electrical rating

Cycling contacts 1.2 amps @ 24 VAC

Fan and system switches 2.0 amps @ 24 VAC

#### Heating anticipation\*

Millivolt fixed

24 volt .30 to 1.2 amps adjustable

#### Cooling anticipation fixed

Temperature range 50°F to 90°F

Thermometer range 50°F to 90°F

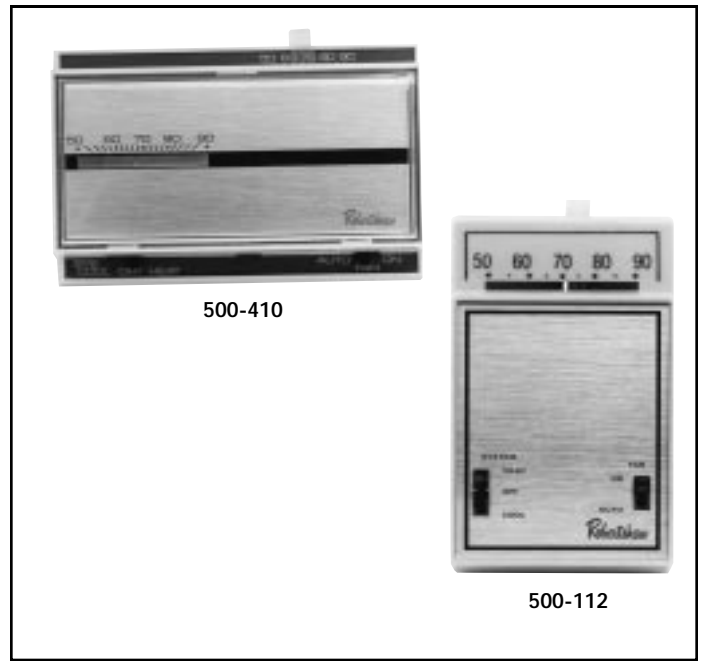
#### Differential

Heating 1-1/2°F (nominal)

Cooling 1-1/2°F

\* On 500-642 Heat Pump Model – 1st stage is fixed, 2nd stage adjustable .30-1.2 amps.

On 501-645 both stages are fixed.



### ORDERING DATA

UNI-LINE ORDER NO.	DIAL TEMPERATURE RANGE	SYSTEM SWITCH FUNCTIONS	FAN SWITCH FUNCTIONS	APPLICATION	COMMENTS
500-100 SERIES VERTICAL MODELS					
500-100	50 TO 90°F	—	—	GAS HEAT	POSITIVE OFF
500-101		ON-OFF	—		
500-102		—	ON-AUTO	GAS HEAT	POSITIVE OFF
500-104		ON-OFF	ON-AUTO		
500-106		—	—	MILLIVOLT HEATING	POSITIVE OFF
500-107		ON-OFF	—		
500-112†		HEAT-OFF-COOL	ON-AUTO	GAS OR ELECTRIC	
500-116		ON-OFF	ON-AUTO	COOLING ONLY	POSITIVE OFF
500-400 SERIES (DELUXE HORIZONTAL MODELS)					
500-400	50 TO 90°F	—	—	GAS HEAT	POSITIVE OFF
500-401		ON-OFF	—		
500-404		ON-OFF	ON-AUTO	MILLIVOLT HEATING NO ANTICIPATOR	POSITIVE OFF
500-406		—	—		
500-407		ON-OFF	—	GAS OR ELECTRIC	POSITIVE OFF
500-410**		HEAT-OFF-COOL	ON-AUTO		
500-414		ON-OFF	ON-AUTO	COOLING ONLY	POSITIVE OFF

501-645



500-642



### 500-640 SERIES HEAT PUMP THERMOSTATS

500-642	50 TO 90°F	HEAT-OFF-COOL	ON-AUTO	2 HEAT / 1 COOL	DESIGNER WHITE WITH AUTOCHANGEOVER
501-645		HEAT-AUTO-OFF-COOL			

\* Has fan interlock on heat and cool. Requires heating fan relay for electric heat applications.

\*\* Also available in Designer White order 501-410

† Also available in Designer White. Order 501-112.

### CANADIAN MODELS

NOTE: When ordering Canadian models please select the American part number you require and add a C/F after it.