If it's on the wall, it should look like a work of art

SlimLine® digital electronic

thermostats for residential and

commercial applications

ener stat.

Energy efficiency never looked better!™

New
DSL *SlimLine* ® *Communicating*
digital

*Introducing SlimLine®
Communications by
enerstat®......a new generation
of electronic, non-programma-
ble, digital thermostats that
combine climate control,
comfort, dependability and
communications abilities.
Building on the reputation for
accurate, efficient tempera-
ture control, enerstat® now
offers communications in the
same ultra-slim case currently
produced for the SlimLine®
digital thermostats used in
residential and commercial
applications. Enerstat®
expanded communications
abilities combine RS485 com-
munications protocol with the
NC, IC version and standard
communications with the
SC version.*

**SlimLine® models are available in four custom
configurations to satisfy heating, cooling, heatpump and
multi-stage equipment applications.**

S T A N D A R D   F E A T U R E S

- Designed for today's interiors
- Environment friendly – mercury-free, does not require batteries
- Electronic keypad and/or lockable cover prevents tampering
- Built-in equipment protection under normal operating conditions

- Day/Night button provides alternate temperature settings
- Optional remote indoor temperature sensor
- Optional outdoor temperature sensor
- Selectable Celsius or Fahrenheit temperature display

*All enerstat SlimLine® Communicating
Thermostats are backed by a
Limited One-Year Warranty*

DSL *SlimLine* ® Residential & Commercial
digital

Introducing SlimLine® by enerstat®... a new generation of electronic thermostats that combine unsurpassed temperature control technology creatively packaged in an ultra-slim case designed to blend harmoniously with any interior. Using the most advanced state-of-the-art surface mount manufacturing techniques, SlimLine® thermostats offer user-friendly control of heating and air conditioning systems through the use of a unique Ultra-Touch keypad and informative, easy-to-read Liquid Crystal Display.

Actual
Size

SlimLine® models are available in eight custom configurations to satisfy heating, cooling, heatpump and multi-stage equipment applications.

STANDARD FEATURES

- Designed for today's interiors
- Environment friendly – mercury-free, does not require batteries
- Electronic keypad and/or lockable cover prevents tampering
- Built-in equipment protection under normal operating conditions

- Day/Night button provides alternate temperature settings
- Optional remote indoor temperature sensor
- Optional outdoor temperature sensor
- Selectable Celsius or Fahrenheit temperature display

All enerstat SlimLine® Thermostats are backed by a Limited Two-Year Warranty

COMMERCIAL
programmable

Tired of trying to maintain a comfortable work environment and cut energy costs at the same time? SlimLine® Commercial Programmable Thermostats provide the answer through enhanced temperature control and energy savings. Program up to seven individual daily schedules with user-friendly Ultra-Touch keypad and informative Liquid Crystal Display features. Designed for new or replacement applications, SlimLine® Programmable Commercial Thermostats combine state-of-the-art technology with an ultra-slim case that is creatively packaged to compliment today's stylish commercial interiors.

SlimLine® Commercial Programmable models are available in a variety of configurations to satisfy your specific heating and cooling requirements.

STANDARD FEATURES

- Selectable 2 or 4 events per day programming
- Environment friendly – mercury-free, does not require batteries
- Maintains all settings and operation modes after any power outage
- Clock does not require resetting for outages up to 30 minutes
- Smart Fan feature for continuous fan during occupied periods
- Electronic keypad and/or lockable cover prevents tampering
- Automatic or manual fan selection
- 12-hour or 24-hour clock display

- 7 day programming
- Copy feature for fast programming
- Instant override of scheduled program either continuous or temporary
- Optional remote indoor temperature sensor
- Optional outdoor temperature sensor
- Independent circuit switching (dry contact - AC/DC)
- Selectable Celsius or Fahrenheit temperature display

RESIDENTIAL
programmable

Enerstat SlimLine®
Programmable thermostats
have all the superb features
and attractive styling of
SlimLine® Digitals, with the
added bonus of energy
savings through heating
and cooling schedule pro-
gramming. Program up to
four heating and cooling
week-day events plus four
schedules for the weekend.
Instant override of sched-
uled program either con-
tinuous or temporary.
Designed for new or
replacement applications,
SlimLine® models can fit your
specific heating or cooling
equipment requirements.

SlimLine® Residential Programmable
models are available to suit your heating
and cooling requirements.

STANDARD FEATURES

- Programmable for energy savings
- 5 and 2 day programming
- Environment friendly – mercury–free, does not require batteries
- Maintains all settings and operation modes after any power outage
- Clock does not require re-setting for outages up to 30 minutes
- Electronic keypad and/or lockable cover prevents tampering
- Automatic or manual fan selection

- 12-hour or 24-hour clock display
- Daylight Savings Time clock-change feature
- Easy to read, informative Liquid Crystal Display
- Optional remote indoor temperature sensor
- Optional outdoor temperature sensor
- Selectable Celsius or Fahrenheit temperature display

New
DSL *SlimLine* ® *Communicating*
digital

The SC *(Standard Communications)* series has the same functionality of the regular family of thermostats (DSL-300/450/600/700) but with the addition of communications using the standard **enerstat**® hardware interface (open-collector logic driving the communications line) and a data rate of 1,200 bits/sec (asynchronous).

The communications line allows for remote (computer controlled) access to all the functions normally accessible through the thermostat's keypad and display. Some extra functions have been included in the communications package for advanced applications as for example: displaying time from a central clock, changing the setpoint ranges, etc.

The NC *(Non-isolated Communications)* series is functionally identical to the SC series except that the hardware interface complies with the RS845 standard and the data rate is 9,600 bits/sec (asynchronous). It provides **No** isolation between the ground of the thermostat's power supply transformer and the ground terminal at the RS485 port.

The IC *(Isolated Communications)* series is identical to the NC family except for the complete isolation between power supply and communications ground terminals.

MODELS *and Features*

FEATURE	SLIMLINE DSL–SC, NC, and IC COMMUNICATING DIGITAL			
	300	450	600	700
Heat Only				
Cool Only				
Heat Pump		●	●	
1 Heat/1 Cool	●			
2 Heat/1 Cool		●	●	●
2 Heat/2 Cool				●
3 Heat/2 Cool			●	
O and B Terminals		●	●	
Auxiliary Heat LED		●	●	
On/Auto Fan	●	●	●	●
Locked Cover	●	●	●	●
Electronic Keypad Lockout	●	●	●	●
C/F Conversion	●	●	●	●
Manual Setback (Day/Night Key)	●	●	●	●
Plenum Fan Switch	●			●
Remote Clock Terminals	●	●	●	●
Adjustable Balance Point (ODT Option)		●	●	●
2 Unassigned LED Indicators		●	●	●
LCD Service Symbols Selectable		●	●	●
Outdoor Temp. Sensor (Option)	●	●	●	●
Indoor Remote Temp. Sensor (Option)	●	●	●	●
Triac Outputs				
Relay Outputs	●	●	●	●
Independent Circuit Switching	●	●	●	●
2° F Minimum Heat/Cool Separation	●	●	●	●
Built-in Anticipation & Droop	●	●	●	●
Minimum On/Off Times (2 or 4 min. selectable)	●	●	●	●
Short Cycle Protection	●	●	●	●
Small Case (4.5"H x 4"W x 7/8"D) (114mm H x 102mm W x 22mm D)	●	●	●	●
Auto Changeover	●	●	●	●

MODELS *and Features*

FEATURE	SLIMLINE DSL RESIDENTIAL & COMMERCIAL DIGITAL								SLIMLINE COMMERCIAL PROGRAMMABLE			SLIMLINE RESIDENTIAL PROGRAMMABLE		
	100	150	200	300	400	450	600	700	SHC-7	SHP-2	SMS-1	SC-1	SK-3	SHP-1
Heat Only	•													
Cool Only		•										•		
Heat Pump					•	•	•			•				•
1 Heat/1 Cool			•	•	•				•				•	•
2 Heat/1 Cool						•	•	•		•	•			•
2 Heat/2 Cool								•		•	•			
3 Heat/2 Cool								•		•				
O and B Terminals						•	•	•		•				•
Auxiliary Heat LED							•	•		•				
On/Auto Fan		•	•	•	•	•	•		•	•	•	•	•	•
5-2 Day Programming												•	•	•
7 Day Programming									•	•	•			
4 Events Per Day												•	•	•
2 or 4 Events Per Day Selectable									•	•	•			
Locked Cover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Electronic Keypad Lockout	•	•	•	•	•	•	•	•	•	•	•	•	•	•
C/F Conversion	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 Second Fan Purge (Heat)			•	•	•	•	•	•	•	•	•	•	•	•
45 Second Fan Purge			•	•	•	•	•	•	•	•	•	•	•	•
Manual Setback (Day/Night Key)		•	•	•	•	•	•	•						
Plenum Fan Switch			•					•	•		•		•	
Remote Clock Terminals		•	•	•	•	•	•							
12 or 24 Hour Clock									•	•	•	•	•	•
Daylight Saving Time Function												•	•	•
Adjustable Balance Point (ODT Option)						•	•			•				•
Smart Fan									•	•	•			
Temporary Override (3 Hrs.)									•	•	•	•	•	•
Continuous Override (Hold)									•	•	•	•	•	•
2 Unassigned LED Indicators						•	•	•	•	•	•			•
LCD Service Symbols Selectable						•	•	•		•	•			•
Outdoor Temp. Sensor (Option)		•	•	•	•	•	•	•	•	•	•	•	•	•
Indoor Remote Temp. Sensor (Option)		•	•	•	•	•	•	•	•	•	•	•	•	•
Triac Outputs	•	•	•									•	•	
Relay Outputs				•	•	•	•	•	•	•	•			•
Independent Circuit Switching				•	•	•	•	•	•	•	•			•
2° F Minimum Heat/Cool Separation			•	•	•	•	•	•	•	•			•	
Built-in Anticipation & Droop	•	•							•	•	•	•	•	•
Minimum On/Off Times (2 or 4 min. selectable)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Short Cycle Protection	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Occupied Terminal Output										•	•			
Large Case (6.5"H x 5"W x 7/8"D) (114mm H x 127mm W x 22mm D)										•	•			•
Small Case (6.5"H x 4"W x 7/8"D) (114mm H x 102mm W x 22mm D)	•	•	•	•	•	•	•	•				•	•	
High Temperature Thermal Cut-off Switch	•		•	•									•	
Auto Changeover				•	•	•	•	•	•		•		•	•
2 Wire	•													
3 Wire		•										•		
4 Wire			•										•	
5 Wire				•	•				•					
6 Wire						•	•			•				•
7 Wire								•			•			

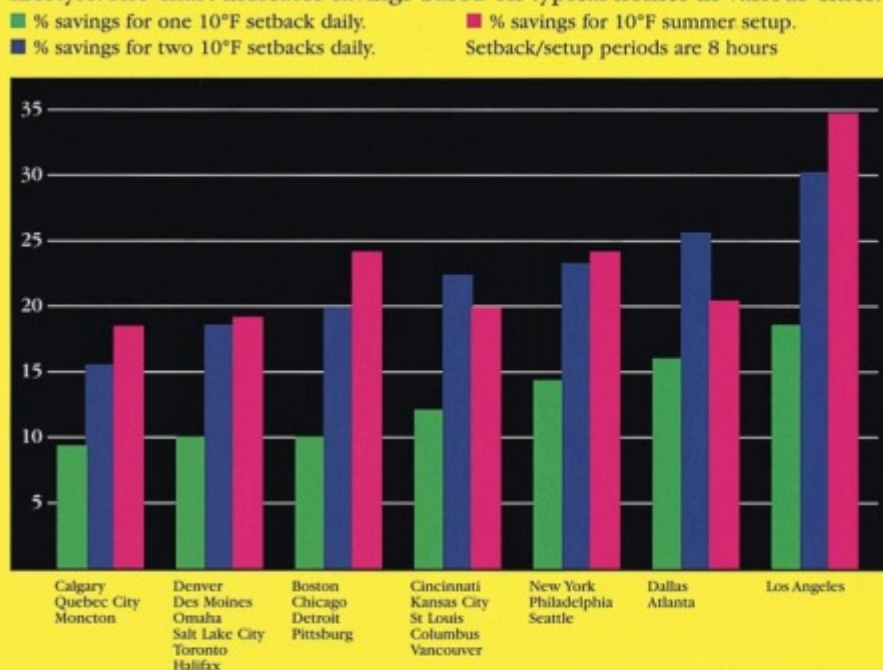# Putting the Power of Technology into Your Home or Business

Preferential Rate Control

Enerstat® rate controls the heat/cool system during recovery to minimize overshoot and discomfort.
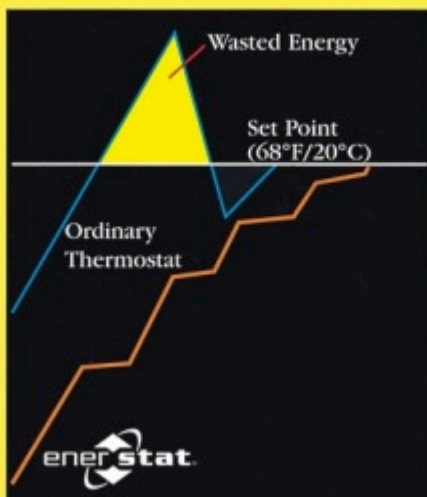
Typical Energy Savings for U.S. and Canadian Cities

% of savings will vary depending on: equipment, insulation and personal lifestyle. The chart indicates savings based on typical homes in various cities.

■ % savings for one 10°F setback daily.
■ % savings for two 10°F setbacks daily.
■ % savings for 10°F summer setup.
Setback/setup periods are 8 hours

Based on U.S. DOE and industry data.

Calgary / Quebec City / Moncton
Denver / Des Moines / Omaha / Salt Lake City / Toronto / Halifax
Boston / Chicago / Detroit / Pittsburg
Cincinnati / Kansas City / St Louis / Columbus / Vancouver
New York / Philadelphia / Seattle
Dallas / Atlanta
Los Angeles

Enerstat® is committed to giving you cost-effective control of your environment. Our commanding lead in thermostat technology made enerstat® one of the first to give you programmable thermostats with solid state microcomputer technology. And now, enerstat® brings you cutting-edge temperature control electronics combined with the art of intelligent design.

enerstat®... energy efficiency never looked better!™
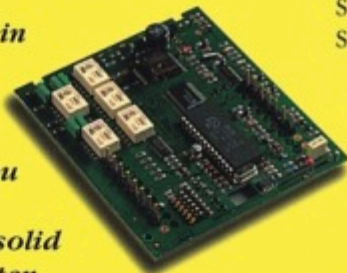
(Optional)
SL-IDS   Indoor Sensor
SL-ODT   Outdoor Sensor

3.5" wide (89mm) x
2.5" high (64mm) x
0.75" deep (19mm)

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Developed and manufactured by

ISO 9002 quality system registration.

Printed in U.S.A.

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