

**CALIFORNIA
ECONOMIZER**
The Zoning Systems Company

Zoning

For more information call:
800-228-2966
714-898-9963

or visit our website at:
**www.
hvacomfort.com**

System 1000
Lennox List Pricing - 1/1/00

	LIST PRICE	LENNOX CAT. NO.	SHIP WT. LBS*	PART NO.
1. SWITCHING CENTERS (For 2 to 7 Separate Zones)				
A. Gas/Electric 1 Stage Heat/1 Stage Cool	167.00	36N14	1	SYGE
B. Heat Pump 1 Stage Heat/Cool with Electric Heat	222.00	46N57	1	SYHPA
2. ZONE THERMOSTATS (for systems using the SYGE or the SYHPA)				
A. Digital	120.00	45N83	1	101DIGI
B. Mechanical	48.00	36N17	1	SYSZT
C. Programmable	147.00	30N74	1	101PROG
3. CAPACITY CONTROLLER				
A. Hi-Lo LAT for systems using the SYGE	124.00	87N87	2	TRLAT
B. Digital CAP-GE for systems using the SYGE	277.00	46N54	2	101CAPGE
C. Digital CAP-HP for systems using the SYHPA	277.00	46N55	2	SYCAP
D. Freeze Protection Control	59.00	35N96	1	TRFPC
E. Modulating 2 Stage control for SYGE	330.00	87N88	2	CAPL-2
4. BYPASS DAMPERS				
A. BAROMETRIC BYPASS (for small systems 5 tons and under)				
Round Barometric 9", 10", 12"	154.00	30N54, 55, 56	6	101ABBDsize
Bypass 14"	186.00	34N65	8	101ABBD14
Rectangular Barometric 12x8, 12x10, 12x12,	162.00	70N15, 66N06, 70N16	8	RBBWxH
Bypass 20x8, 20x10, 20x12	162.00	70N17, 70N18, 70N19	8	RBBWxH
B. ROUND ELECTRONIC BYPASS (for systems over 5 tons)				
6" Diameter	337.00	28N01	4	STMPD 06
8" Diameter	359.00	28N02	5	STMPD 08
10" Diameter	375.00	28N03	7	STMPD 10
12" Diameter	375.00	28N04	9	STMPD 12
14" Diameter	393.00	28N05	11	STMPD 14
16" Diameter	408.00	28N06	17	STMPD 16
C. RECTANGULAR ELECTRONIC BYPASS - See Rectangular Bypass Damper price list STCD				
D. BYPASS CONTROLLER (for use with the Electronic Bypass)				
Static Pressure Sensor required to operate Electronic Bypass	130.00	30N63	3	101ASPC
5. LOW PRESSURE ROUND ZONE DAMPERS (Recommended on equipment 5 tons and under)				
6" Diameter	198.00	31N13	4	101ARZD 06
7" Diameter	198.00	31N14	4	101ARZD 07
8" Diameter	205.00	31N15	4	101ARZD 08
9" Diameter	218.00	31N16	6	101ARZD 09
10" Diameter	218.00	31N17	7	101ARZD 10
12" Diameter	247.00	31N18	9	101ARZD 12
14" Diameter	250.00	31N19	11	101ARZD 14
16" Diameter	298.00	31N20	17	101ARZD 16
6. MEDIUM PRESSURE ROUND ZONE DAMPERS (Recommended on equipment over 5 tons)				
6" Diameter	337.00	30N64	7	101AMPD 06
8" Diameter	359.00	30N65	7	101AMPD 08
10" Diameter	375.00	30N66	9	101AMPD 10
12" Diameter	375.00	30N67	11	101AMPD 12
14" Diameter	393.00	30N68	14	101AMPD 14
16" Diameter	408.00	30N69	18	101AMPD 16
18" Diameter	473.00	30N70	24	101AMPD 18
7. LOW, MEDIUM & HEAVY DUTY RECTANGULAR ZONE DAMPERS				
See Rectangular Damper price list 101ARTD, 101MRTD or 101CD				
8. TRANSFORMERS				
A. 150 VA 24 Volt foot mounted transformer	189.00	30N75	6	101ARTN-150

*Actual weight. Dimensional weights may vary.

For shipments requiring immediate processing or priority shipping add 10% to quoted prices. All prices are in U.S. Dollars.

TERMS: Net 30 days from day of invoice. FREIGHT POLICY: Paid by buyer F.O.B. Huntington Beach, CA.

Low Pressure Rectangular Supply Dampers – 101ARTD

Power Close / Spring Open - For use with System 1000 or System 2000
Use on Systems 5 tons and under

← WIDTH IN INCHES →

		8	10	12	14	16	18	20	22	24
		HEIGHT IN INCHES	6	30N77 244.00	30N79 250.00	30N82 259.00				
8	30N78 250.00*		30N80 259.00*	30N83 278.00*	30N86 285.00*	30N90 293.00*	30N94 300.00*	30N97 288.00*		31N05 303.00*
10			30N81 269.00*	30N84 290.00*	30N87 296.00*	30N91 296.00*	30N95 300.00*	30N98 307.00*	31N02 322.00	31N06 322.00*
12				30N85 296.00*	30N88 307.00	30N92 307.00*	30N96 318.00*	30N99 318.00*		31N07 400.00*
14					30N89 318.00	30N93 322.00			31N03 351.00	
16								31N00 351.00	31N04 370.00	

To order Low Pressure use:

Lennox Cat # plus

___W___ x ___H___ E. G. for 10 x 8 =

Order 30N80 10 x 8.

2-wire, 24VAC power close spring open damper.

For applications up to .5" of static pressure at the damper.

* Stock damper orders of 15 or fewer pieces will ship within 48 hours following order processing. Larger rectangular orders, non-stock items, or odd size dampers available with three-week lead time.

All motors are normally mounted on the "H" height side of the damper. To bottom mount or locate the motor on the "W" width side, place your order as shown above – Cat. # W x H, and **indicate bottom mount** on your order. To bottom mount motor, add 10% to quoted prices.

SWITCHING CENTER

GAS ELECTRIC

Switching Center
36N14
(SYGE)

HEAT PUMP ①

Switching Center
46N57 (SYHPA)
2 Stage Heat/1 Stage Cool

ZONE THERMOSTATS

Digital 45N83 (101DIGI)	Mechanical 36N17 (SYSZT)	Programmable 30N74 (101PROG)
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ZONE THERMOSTATS

Digital 45N83 (101DIGI)	Mechanical 36N17 (SYSZT)	Programmable 30N74 (101PROG)
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CAPACITY CONTROL

1 Stage 87N87 (TRLAT)	2 Stage (CAPL-2)
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or
Digital Version
46N54 (101CAPGE)

DIGITAL CAPACITY CONTROL

46N55 (SYCAP)

ZONE DAMPERS

5 TONS AND UNDER

Low Pressure Dampers
Round 31N13-31N20 (101ARZD size) up to .5" SP
Rectangular 30N77-31N07
(101ARTD WxH) up to .5" SP

12 X (Number of Dampers) = VA for the
24V System Transformer (Field Supplied)

OVER 5 TONS

Medium Pressure Dampers
Round 30N64-30N70 (101AMPD size) up to 1.75" SP
Rectangular 31N26 - 31N74 (101MRTD WxH) up to 1" SP ②
Heavy Duty Rectangular 31N75 - 32N95 (101CD WxH) to 1.75" SP

6 X (Number of Dampers) = VA for the
24V System Transformer (Field Supplied)

BYPASS DAMPERS

5 TONS AND UNDER

Barometric Bypass Damper
Round 30N54, 55,56, 34N65
(101ABBDD)
Rectangular 70N15-19, 66N06
(RBB W x H)

OVER 5 TONS

Electronic Bypass Damper
Round 28N01-28N06 (STMPD size)
Rectangular 28N46-29N83 (STCD W x H)

Static Pressure Control 30N63 (101ASPC)

24V, 40VA Independent Transformer
for bypass (Field Supplied)

COMPLETE SYSTEM

① Some Heat Pumps utilize Gas/Electric thermostats. For this type of Heat Pump, use the Gas/Electric parts selection and field modify the capacity control heat cutoff setpoint to 118° F.

② Use heavy duty rectangular dampers on systems of 7.5 tons or larger

PART	PART NO.	LENNOX CAT. NO.	QUANTITY	LIST PRICE	EXTENSION
SWITCHING CENTER (ONE PER UNIT)					
Gas/Electric - 1 Stage Heat/1 Stage Cool	SYGE	36N14	_____	167.00	_____
Heat Pump - 1 Stage Heat/Cool w/Electric Heat	SYHPA	46N57	_____	222.00	_____

THERMOSTAT (ONE PER ZONE) For systems using the SYGE or the SYHPA, select one stat per zone

Digital	101DIGI	45N83	_____	120.00	_____
Mechanical	SYSZT	36N17	_____	48.00	_____
Programmable	101PROG	30N74	_____	147.00	_____

CAPACITY CONTROL

Hi-Lo LAT for SYGE	TRLAT	87N87	_____	124.00	_____
Digital CAP-GE for SYGE	101CAPGE	46N54	_____	277.00	_____
Digital CAP-HP for SYHPA	SYCAP	46N55	_____	277.00	_____
Modulating 2 Stage Control for SYGE	CAPL-2	87N88	_____	330.00	_____

TRANSFORMERS

For Dampers and Switching Centers: Use a 24V transformer and figure the VA by using the formulas below.

Low pressure dampers: 12VA X NUMBER OF DAMPERS 12 X _____ = _____ VA
 Medium or Heavy Duty dampers: 6VA X NUMBER OF DAMPERS 6 X _____ = _____ VA

150 VA 24 volt	101ARTN-150	30N75	_____	189.00	_____
For Electronic Bypass Damper					
24 Volt, 40VA	(Field Supplied)		_____	_____	_____

Continue on to page 2, Zone Dampers, Bypass Dampers, and enter the totals below.

SUB TOTAL FOR THIS PAGE: _____

SUB TOTAL FROM PAGE 2: _____

TOTAL: _____

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California Economizer
The Zoning Systems Company

System 1000
Lennox Bid Sheet - 1/1/00

ZONE DAMPERS

PART #	LENNOX CAT. NO.	QUANTITY	PRICE	EXTENSION
ZONE DAMPERS (LOW PRESSURE ROUND)				
6"101ARZD06	31N13		198.00	
7"101ARZD07	31N14		198.00	
8"101ARZD08	31N15		205.00	
9"101ARZD09	31N16		218.00	
10"101ARZD10	31N17		218.00	
12"101ARZD12	31N18		247.00	
14"101ARZD14	31N19		250.00	
16"101ARZD16	31N20		298.00	

ZONE DAMPERS (MEDIUM PRESSURE ROUND)

6"101AMPD06	30N64		337.00	
8"101AMPD08	30N65		359.00	
10"101AMPD10	30N66		375.00	
12"101AMPD12	30N67		375.00	
14"101AMPD14	30N68		393.00	
16"101AMPD16	30N69		408.00	
18"101AMPD18	30N70		473.00	

ZONE DAMPERS (LOW PRESSURE RECTANGULAR)

Sizes 8 x 6 thru 24 x 12

x 101ARTD x				
x 101ARTD x				
x 101ARTD x				
x 101ARTD x				

ZONE DAMPERS (MEDIUM PRESSURE RECTANGULAR)

Sizes 8 x 6 thru 24 x 20

x 101MRTD x				
x 101MRTD x				
x 101MRTD x				
x 101MRTD x				

ZONE DAMPERS (HEAVY DUTY RECTANGULAR)

Sizes 8 x 8 thru 48 x 48

x 101CD x				
x 101CD x				
x 101CD x				
x 101CD x				

BYPASS DAMPERS

PART #	LENNOX CAT NO.	QUANTITY	PRICE	EXTENSION
BAROMETRIC BYPASS DAMPERS (ROUND)				
9" 101ABBD09	30N54		154.00	
10" 101ABBD10	30N55		154.00	
12" 101ABBD12	30N56		154.00	
14" 101ABBD14	34N65		186.00	

BAROMETRIC BYPASS DAMPERS (RECTANGULAR)

12 x 8	RBB12x08	70N15		162.00	
12 x 10	RBB12x10	66N06		162.00	
12 x 12	RBB12x12	70N16		162.00	
20 x 8	RBB20x08	70N17		162.00	
20 x 10	RBB20x10	70N18		162.00	
20 x 12	RBB20x12	70N19		162.00	

ELECTRONIC BYPASS DAMPERS (ROUND)

6" STMPD06	28N01		337.00	
8" STMPD08	28N02		359.00	
10" STMPD10	28N03		375.00	
12" STMPD12	28N04		375.00	
14" STMPD14	28N05		393.00	
16" STMPD16	28N06		408.00	

ELECTRONIC BYPASS DAMPERS (RECTANGULAR)

Sizes 8 x 8 thru 48 x 48

x STCD x				
x STCD x				
x STCD x				
x STCD x				
x STCD x				
x STCD x				

ELECTRONIC BYPASS CONTROL

STATIC PRESSURE CONTROL

101ASPC	30N63		130.00	
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SUB TOTAL FOR PAGE #2

(Enter here and on the bottom of page 1): _____