PANDUIT™

COUGAR™ LS9
Quick Reference Card

Printer Tech Support – 866-871-4571
Rev. 1 – 12/19/06

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LS9 Printer and Accessories

Part No.	Description
LS9	Includes LS9 printer, 1 cassette of T100X000VPC-BK, and 6 AA batteries
LS9-ACS*	120 VAC power adapter for North America
LS9-ACA*	120 - 240 VAC power adapter for Australia
LS9-ACC*	120 - 240 VAC power adapter for China
LS9-ACE*	120 - 240 VAC power adapter for Europe
LS9-ACU*	120 - 240 VAC power adapter for the United Kingdom
LS9-IB	Protective impact bumper
LS9-WS	Wrist strap
LS9-CLN	Cleaning kit

*Cannot be used to charge batteries

P1™ Label Cassettes

- Print continuous military and commercial grade heat shrink tubing.
- Print a variety of continuous tapes for wire/cable marking, component labeling and safety/facility identification.
- Fast loading cassettes include labels and ribbon.
- Automatic cassette recognition adjusts printer settings upon insertion.
- Integrated memory device saves last legend used for later recall and records number of labels remaining
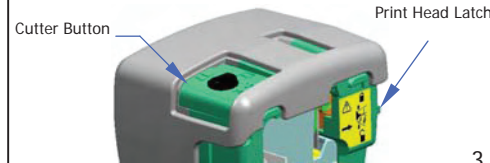
2

P1™ Label Cassettes for COUGAR LS9

Label Material	Example Part No.	Typical Application
Heat Shrink Polyolefin^	H000X044H1C	Wire/Cable marking
Vinyl Cloth Tape	T100X000CBC-BK	Wire/Cable marking
Polyolefin Tape	T031X000FJC-BK	Network systems component labeling and terminal block labeling
Colored Vinyl Tape*	T100X000VXC-BK	Safety/Facility identification

^ Available in white and yellow.
* Available in a variety of colors.

⚠ Cutter Button and Print Head Latch

Cutter Button

Print Head Latch

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Getting Started

- Remove battery door on back of printer.
- Install 6 AA batteries according to the molded indicators in the battery compartment.

  Do not install batteries incorrectly. Doing so may cause damage to the printer electronics. When replacing batteries, replace all 6 of them at the same time.
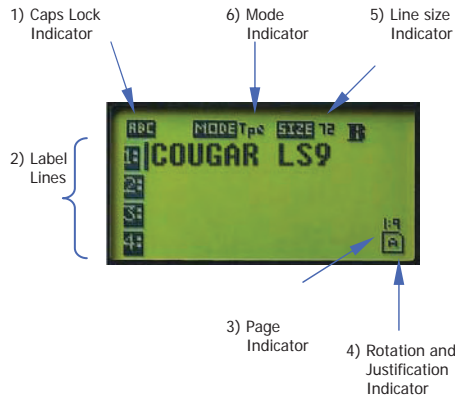
- Reinstall the battery door.
- Remove cassette door on back of printer.
- Install the label cassette. Press firmly to lock cassette in place. The printer will power on automatically.
- Reinstall cassette door.
- Move print head latch to locked position.
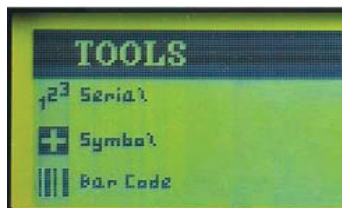
You are now ready to begin printing!
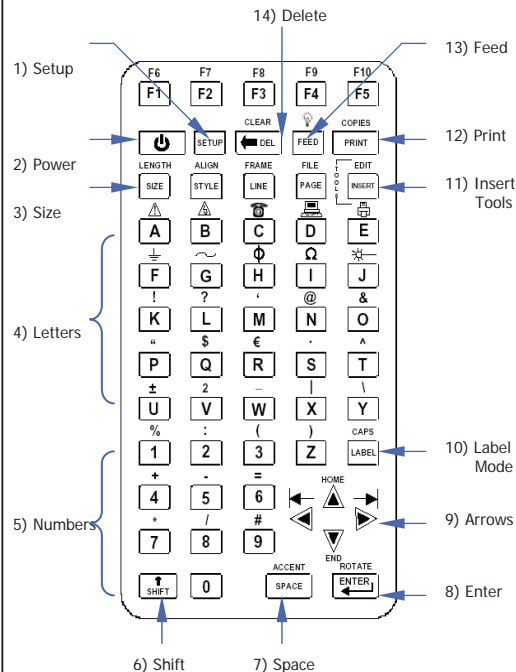
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LS9 Display Screen

1) Caps Lock Indicator
6) Mode Indicator
5) Line size Indicator
2) Label Lines
3) Page Indicator
4) Rotation and Justification Indicator

LS9 Tools Menu

- Serialization
- Symbol
- Bar Code

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LS9 Keypad Functions

14) Delete
13) Feed
1) Setup
12) Print
2) Power
11) Insert Tools
3) Size
4) Letters
10) Label Mode
5) Numbers
9) Arrows
8) Enter
6) Shift
7) Space

6

Text Font Size

Point Size	Print Sample
4	ABC
6	ABC
8	ABC
10	ABC
12	ABC
16	ABC
24	ABC
36	ABC
48	AB

7

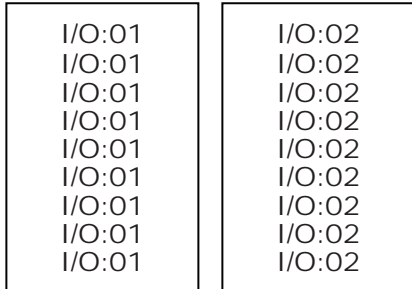| Point Size	Print Sample
72	A

Text Font Style

BOLD

BOLD + UNDERLINED

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Serialization Tool

1. Press F4 (Quick key for wire marking)
2. Set length as 1.50 (see length selection table in section 10 for additional size recommendations)
3. Press ENTER
4. Type "I/O:"
5. Press the INSERT key and select ℓ²³ Serial
6. Enter a start value of 01, stop value of 02, and increment value of 1
7. Press ENTER
8. Press PRINT

Example using T100X000CBC-BK, continuous cloth tape for wire/cable marking:

I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02
I/O:01	I/O:02

Wire/Cable Marking Length Selection

Lengths For Wire and Cable Marking with Continuous Tape

Wire/ Cable Size	Wire/Cable Diameter		Suggested Marker Length	
	in.	mm	in.	mm
Cat. 5E/4	.25	6.4	1.50	38.2
Cat. 5E/25	.51	13.0	2.00	50.8
Cat. 5E/50	.66	16.8	2.50	63.6
Cat. 5E/100	.96	24.4	3.75	95.2
Cat. 6	.21-.27	5.3–6.9	1.50	38.2
18 AWG	.11	2.8	0.75	19.0
16 AWG	.12	3.0	0.75	19.0
14 AWG	.16	4.1	1.00	25.4
12 AWG	.18	4.6	1.25	31.8
10 AWG	.20	5.1	1.25	31.8
8 AWG	.28	7.1	1.75	44.6
6 AWG	.32	8.1	1.75	44.6
4 AWG	.37	9.4	1.75	44.6
3 AWG	.40	10.2	2.00	50.8
2 AWG	.43	10.9	2.00	50.8
1 AWG	.51	13.0	2.50	63.6
1/0	.55	14.0	2.50	63.6
2/0	.59	15.0	2.50	63.6
3/0	.65	16.5	2.75	70.0
4/0	.70	17.8	3.00	76.2

Symbol Tool

1. Press the INSERT key and select ✚ Symbol
2. Select symbol number 16 from the library
3. Press ENTER
4. Press SPACE
5. Type "CAUTION"
6. Press PRINT

Example using T100X000VXC-BK, black on yellow continuous vinyl tape:

⚠ **CAUTION**
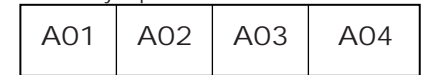
41 Symbols, Including:

And many more…

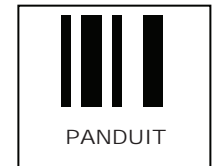## Patch Panel/Face Plate Labeling

1. Type "A"
2. Press the INSERT key and select ℓ²³ Serial
3. Enter a start value of 01, stop value of 04, and increment value of 1
4. Press ENTER
5. Press Shift + LENGTH
6. Set length as 0.65
7. Press LINE and select @ PAGES – Yes
8. Press ENTER
9. Press PRINT

Example using T0380X000VPC-BK, black on white continuous vinyl tape:

A01	A02	A03	A04

Bar Code Tool

1. Press the INSERT key and select ‖‖‖ Bar Code
2. Scroll right and type text in the window
3. Press ENTER
4. Press ENTER
5. Press PRINT

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Example using T100X000VPC-BK, black on white continuous vinyl tape

Other Functions

- POWER – Turn printer on or off
- SETUP – Access the Set Up menu
- DELETE – Erase characters and tools
- CLEAR – Clear the entire screen
- FEED – Feed labels
- PRINT – Print labels
- COPIES – Print multiple copies or a selection of pages
- SIZE – Select the text font size
- LENGTH – Set the length of continuous label media
- STYLE – Select the text font style
- ALIGN – Change the label justification
- LINE – Add vertical and horizontal lines to a label
- FRAME – Add a frame around a label
- PAGE – Move to another page
- FILE – Access the file manager
- INSERT – Insert a new tool
- EDIT – Edit an existing tool
- LABEL – Change the label mode
- CAPS – Turn caps lock on or off
- HOME – Move to home position on screen
- END – Move to end position on screen
- SHIFT – Access secondary functions on keypad
- SPACE – Add a space to a label
- ACCENT – Insert an international character
- ENTER – Move to the next line or accept menu changes
- ROTATE – Rotate the label 90, 180, or 270 degrees

Set Up Menu

- Languages – Set the printer language
- Units – Select inches or mm
- Bar Code – Set the default bar code settings
- Contrast – Lighten or darken the display
- Heat – Adjust the heat of the print head
- Version – Display the current operating system version number
- Factory Defaults – Return printer settings to factory default values
- Cut/Pause – Pause a multi-label print job to cut between labels
- Auto-off – Turn the 5 minute automatic shut-off function on or off

Special Functions (F Keys)

- F1 – Display F key menu
- F2 – Store and recall user profiles
- F3 – Display label cassette information
- F4 – Quick key for wire marking (use with continuous vinyl cloth tape)
- F5 – DIN Mode for European Terminal Blocks

Free Cougar LS9 Downloads Available Online at www.panduit.com

- Detailed Operator's Manuals in English, French, German, Italian, Spanish, and Portuguese
- Replacement Quick Reference Cards in English, French, German, Italian, Spanish, and Portuguese
- Product bulletin with part ordering information

Additional Information

- The Cougar LS9 is part of a complete line of identification solutions from Panduit, which also includes the PanTher LS8 Hand-Held Thermal Transfer Printer with Revolutionary label cut-to-length functionality.
- The PanTher LS8 prints die-cut and continuous P1 Label Cassettes.
- The PanTher LS8 features a USB interface for importing data, system upgrades, and printing labels from a wireless laptop or desktop computer.
- See the printer comparison chart in section 16 or visit www.panduit.com for more information.

Printer Comparison

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Hand-Held Thermal Transfer Printing Solutions

	PanTher™ LS8	Cougar™ LS9
Self-Laminating Labels	🐾	
Die-Cut Component Labels	🐾	
Die-Cut Heat Shrink Tubing	🐾	
Continuous Heat Shrink Tubing	🐾	🐾
Continuous Tapes	🐾	🐾
Partial Cut Feature	🐾	🐾
PC Interface	🐾	

PART NO. LS9-QS-A, Rev. 1
Toll free technical support: 1-866-871-4571
Toll free customer service: 1-800-777-3300
Also visit www.panduit.com