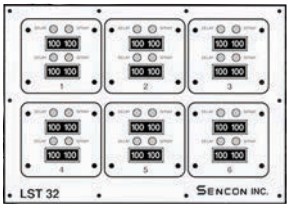
Spray Timing Systems

LST series





INTELLIGENT POWER MANAGEMENT — Sencon continues to set the standard for spray timer systems. Using 'intelligent' power management of the spray gun solenoid, these drivers improve response times, reduce switching variations and minimize solenoid heat build-up. Timer units are accurate to sub-millisecond range. As an added feature, these systems incorporate built-in logic to suit virtually all spray machine configurations.

REDUCE LACQUER WASTE — The specialized switching system significantly reduces variations in solenoid reaction times, resulting in more uniform film weights. This enables control limits to be set to minimum required levels with no loss of quality or consistency.

IMPROVE QUALITY — High 'turn on' power ensures the solenoid's ability to overcome slow or sticky armatures, reducing the potential for short sprays or mis-sprays. Compatible with most guns, new 'dual voltage' spray timer systems have adjustable solenoid drivers, providing complete power matching and compatibility with most DC-powered spray guns (up to 40 Watt). New 'dual current' options are also available for the control of the most advanced spray guns.

ADJUSTABLE , HIGH RESOLUTION TIMERS — Our 3-digit timers allow spray sequences from 1 to 999 milliseconds or 0.1 to 99.9 milliseconds. An external clock input is also provided for machine based timing.

MULTI-SIZED PACKAGES — Sencon offers control packages ranging from 2 to 8 spray guns, either in panel mount form or complete with enclosure (larger systems and multiple front panels are available). Modular construction makes for simple and easy maintenance or repair.

SPRAY TIMER SELECTION GUIDE

NUMBER OF SPRAY MACHINES	NUMBER OF SPRAY GUNS PER MACHINE				
	1	2	3	4	LOW SPIN
1	LST22	LST22	LST24	LST24	L1
2	LST24	LST24	LST28	LST28	L2
3	LST26	LST26	LST32	LST32	L3
4	LST28	LST28	LST36	LST36	L4
5	LST30	LST30	LST40*	LST40*	L5
6	LST32	LST32	LST44*	LST44*	L6
7	LST34	LST34	LST48*	LST48*	L7
8	LST36	LST36	LST52*	LST52*	L8

SENSOR RECOMMENDATIONS

CAN PRESENCE SENSOR	9-330-03, 11P-330-03 OR 9-352-03 FOR LIMITED SPACE
TIMING SENSOR	9-251-03 OR 11-251-03
LOW SPIN SENSOR	INO-002-BCF
FRONT PANEL SIZES	2 x 2, 3 x 3, 2 x 3, 3 x 4, 4 x 4 (OTHER SIZES ARE AVAIALABLE ON REQUEST)

REDUCE SPRAY GUN VARIATION AND PRODUCE MORE CONSISTENT LACQUER FILM WEIGHTS

These rugged and reliable drivers improve response times, reduce switching variations and minimize solenoid heat build-up

BENEFITS
Reduce lacquer waste
Improve product quality
Compatible with most spray guns
Adjustable, high resolution timers
Multi-sized packages
Rapid payback

Timer units are accurate to sub-millisecond range

RAPID PAYBACK — This is possible due to the volume of lacquer that these high performance systems can handle, and on their ability to reduce waste.

ORDERING INFORMATION FOR LACQUER SPRAY TIMER SYSTEMS

CHOOSE THE CODE — The correct LST code should be chosen from the table (below left) according to the ***number of spray machines*** and ***number of spray guns per machine*** it will be used with.

LOW SPIN OPTION — The 'Low Spin' option is suitable only for certain manufacturers of spray machine, and allows an operational check of the chuck. *Check availability at the time of order. Contact Sencon for details.*

POWER SUPPLY — Specify the power supply transformer option required—either 110V or 220V.

VOLTAGE OR CURRENT DRIVEN SOLENOIDS — The LST system is able to control both voltage driven and the current driven guns. At the time of ordering, specify 'DV' for dual voltage or 'DI' for dual current options. If a later upgrade to MEG™ guns is possible, then the 'DI' option should be chosen.

MOUNTING OPTION — The LST may be supplied as a combination of back plate and face plate (*see illustration above*) for mounting in a control panel, or in a stand alone enclosure (*see product image above).*

SENSOR REQUIREMENTS — Various sensors are required to check for can presence, timing and low spin. The recommended Sencon sensors are shown in the adjacent table.

SYSTEM COMPONENTS

Power Supply, Timer Input Module(s)

Card Cage Assembly(s) and Interface Cable(s)

Additional options include an enclosure with view window, an enclosure with legs for a free standing system. For environments requiring explosion proof EX sensors, these cannot be connected directly to the Sencon control, but must be connected through an appropriate amplifier or isolation barrier.

NOTE: In the standard configuration, the system requires NPN (sinking) signals.

* These items are special orders.
Please contact your local Sencon office for details and delivery costs.

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Product details may change due to continual development. Please consult Sencon directly for the latest specifications.