

Streamline Controls Pvt. Ltd.		Approved by
Doc.No.	RD-720-03-03	
Rev.No.	0	
Rev Date	1/9/04	

CONTROLLER FOR LABELING MACHINE

-- Series SCON- LBL

SCON - LBL module incorporates - SDRV Series DC Stepper Drives and SMPLC- CL02 MMI. It is designed to enhance both quality and productivity of a Labeling Machine.

➤ FEATURES :--

⇒ SDRV Series drives :

- State of art technology PWM DC Stepper Drives
- Efficient, compact - yet economical
- RS 485 Serial Interface

⇒ SMPLC- CL02 :

- RS 485 Serial interface to drive SDRV Series Drives
- 16 x 2 alphanumeric LCD Display / 9 key membrane keypad
- Industry proven microcontroller technology with user friendly interface



➤ OUTPUT :--

- ⇒ Printer -- Programmable On Time > 00.01 to 99.99 seconds
Operates to print on the label after the motor running is over
- ⇒ Ribbon -- Programmable On Time > 00.01 to 99.99 seconds
Operates to move the printer ribbon in parallel to the running motor.



➤ INPUT :--

- ⇒ Start Signal -- Bottle Sensor to start the running of stepper drive
On/off facility to have continuous running without start
Signal Cycle delay in absence of Start Signal > 00.01 to
99.99 seconds
- ⇒ Stop Signal -- To Stop the running of stepper drive
- ⇒ Label Sensor-- High Speed input for precise positioning On / Off Facility to
use with or without label sensor. Programmable offset to
decide the active area over the length of a label

➤ COUNTERS :--

- ⇒ Totalizer -- 6 Digit counter to count total number of labels (Resettable
from front keypad)

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➤ **SETTING OPERATIONS :--**

- ⇒ Stepper Drive Forward / backward movement from MMI.
- ⇒ Outputs -- Individual on/off operation from MMI in test mode.

➤ **INSTALLATION & MAINTENANCE :--**

All interconnections between the stepper Drive and MMI through plug-in connectors
Easy replacement in worst case of failure of any module

➤ **ANALOG INPUT :--**

Optionally provided to synchronize with the main motor of the machine.

➤ **PROGRAMMABLE PARAMETERS :--**

Length / Speed / Bottle Sensor on/off & Cycle Delay / Timers / Label Sensor on / off / offset

➤ **ON LINE DISPLAY PARAMETERS :--**

Length / Timers / Totalizer / Selective display of speed of the machine in no Of labels per hour.