

The **4x20 Serial LCD Module** from Scott Edwards Electronics provides a simple way to display data from a BASIC Stamp or other microcontroller. The module requires only one I/O pin, +5 volts and ground to function. Simple SEROUT commands can be used in the BASIC Stamp to communicate with the module at 2400 and 9600 baud. This module acts like a terminal, accepting many of the standard control codes for cursor manipulation and displays text from left to right, top to bottom with automatic wrapping. A compatible mode can be used to enable older 4x20 display functions.

Features of the 4x20 Serial LCD Module:

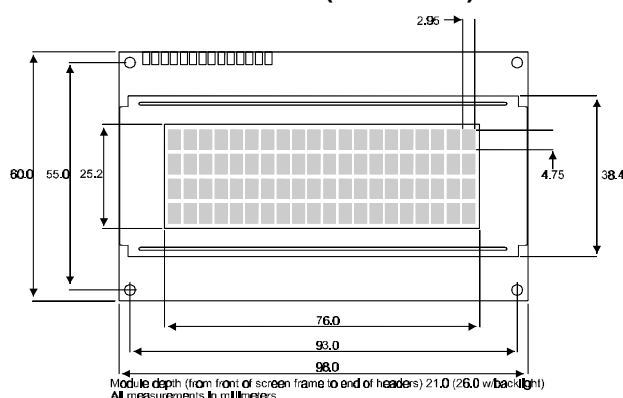
- 4-line by 20-character display;
- (4) mounting holes;
- LED backlight;
- Low power consumption (8 mA w/o backlight);
- Large 4-digit number mode;
- Terminal and compatible mode;
- Special screen-manipulation instructions;



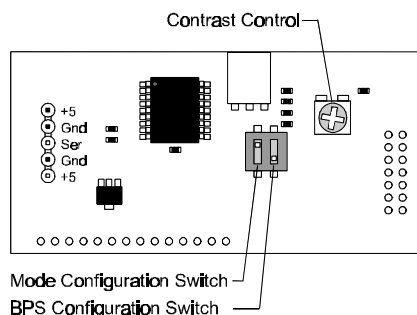
Basic Specifications

Power requirements	4.8 to 5.5 Vdc @ 8mA
Interface connector	5-pin header; 0.025" posts on 0.10" centers
Serial input	RS-232, or inverted TTL/CMOS, 9600 or 2400, N81
Operating temperature	0° to 50°C (32° to 122°F)
Mode configuration	down = plus, up = compatible
BPS configuration	down = 2400, up = 9600

4x20 LCD (Front view)



4x20 LCD Backpack (Back view)



Special Instructions

Instruction	Code
Home	1
Begin big numeric display	2
Blank cursor	4
Show underline cursor	5
Show blinking-block cursor	6
Backspace	8
Tab	9
Line feed	10
Clear screen (form feed)	12
Carriage return	13
Turn backlight on	14
Turn backlight off	15
Move to nth character of display	16, 64+n

The 4x20 Serial LCD Module package includes:

- 4x20 Serial LCD Module with built-in backlight;
- printed documentation with sample BS1 and BS2 programs;

BASIC Stamp is a registered trademark of Parallax, Inc.