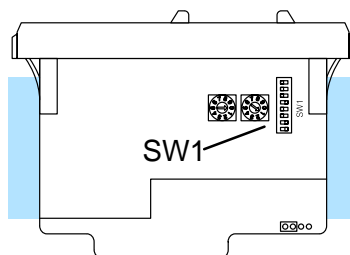
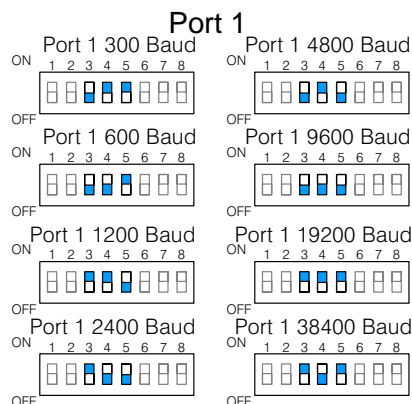


## DL340 Port Setup

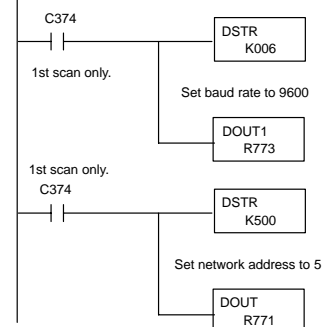
### DL340 Baud Rate Selection

The following chart shows how to configure the baud rate for Port 1 (RS232C) of the DL340 using dipswitch SW1, switches 3, 4 and 5. Port 2 baud rate is set by using a programming device to enter the baud rate in address R773 (in BCD or HEX).

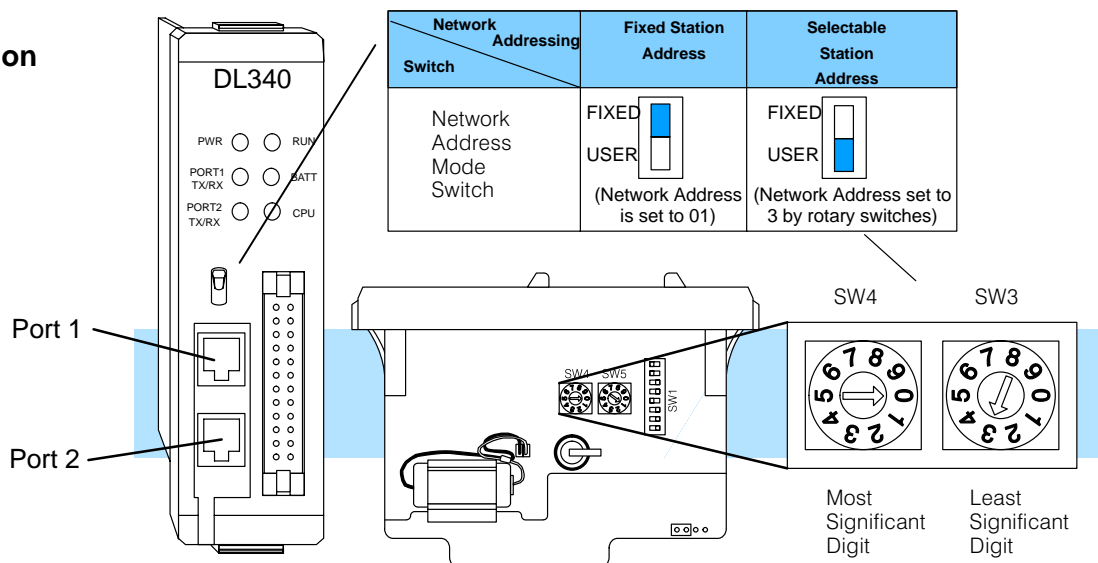


Baud	R773
300	1
600	2
1200	3
2400	4
4800	5
9600	6
19200	7
38400	8
9600	0, 9 to FF

### Sample Setup Ladder Logic



### DL340 Network Address Selection



**Port 1 (RS232C):** Network address selection is accomplished with the Network Address Mode Switch and the two rotary switches 3 and 4. The address is set in BCD.

Network Address Mode Switch sets fixed or selectable network address.

Rotary Switch 3 sets the least significant decimal digit of the network address.

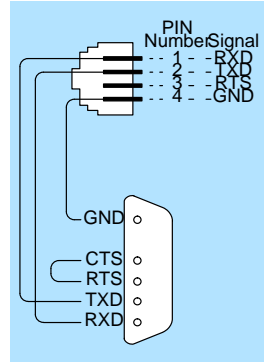
Rotary Switch 4 sets the most significant decimal digit of the network address.

In the example above, when the Network mode switch is set to FIXED the network address will default to 01, when the Network mode switch is set to USER the network address (set with the rotary switches) is 03. Note, if the rotary switches are set to 00, the network address will default to 01.

**Port 2 (RS232C):** Network address selection is set by using a programming device to enter the value for the most significant digit and least significant digit in addresses R771 and R772 respectively. The address is set in BCD.

If you're using MODBUS RTU protocol on Port 2, the MODBUS address is set in decimal, not BCD. Load the lower two digits in R771 and the upper two digit(s) in R772.

### DL340 RS232C Port (1 and 2) Pin Outs



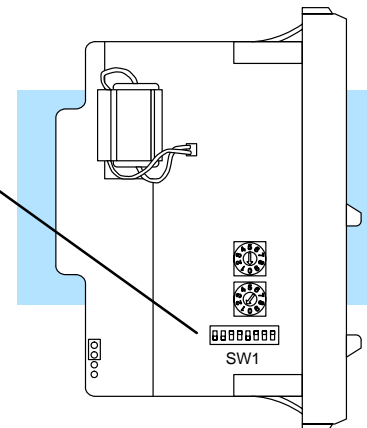
#### RS232C Communication Port Specifications

Connector	-----RJ11 (handset connector)
Network Address	-----01 to 90
Baud Rate	-----38400, 19200, 9600, 4800, 2400, 1200, 600, 300
Parity	-----None / Odd
Transfer Mode	-----Hex / ASCII
	-----Half-duplex
	-----Asynchronous
Data bits	-----8
Start bits	-----1
Stop bits	-----1
Turn Around Delay	-----0 to 1980 in 20 ms intervals (preset with R777)

### DL340 Station Type Selection and Address Ranges

The station type for Port 1 is fixed as a Slave and cannot be changed. The station type for Port 2 can be selected by setting the appropriate switch positions (6 and 7) on the SW1 switch bank.

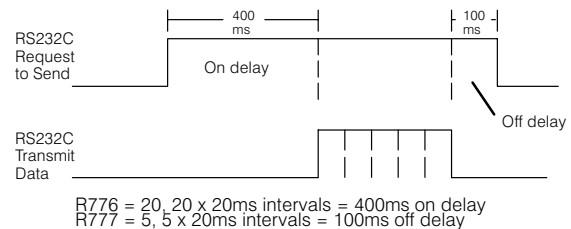
Port	Bit 6	Bit 7	Protocol	Address Range
1	N/A	N/A	Slave	1 - 90
2	Off	Off	Slave/ <b>DirectNET</b>	1 - 90
	Off	On	Master/ <b>DirectNET</b>	1 - 90
	On	Off	Peer/ <b>DirectNET</b>	1 - 90
	On	On	Modbus®/RTU	1 - 247



### DL340 Selecting the Response Delay Time

You can use the Handheld Programmer or **DirectSOFT** to select an on and off response delay time of up to 1980 ms. The time delay is calculated based on a preset number that is loaded into two memory locations. These presets indicate the number of 20 ms intervals that will be used as the delay. For example, an entry of 2 would result in a 40 ms response delay time.

Port	On Delay	Off Delay
Port 1	R776	R777
Port 2	R774	R775



### DL340 Selecting Data Format (ASCII/HEX)

A special propose control relay is used to select between ASCII and HEX transmission modes on the **DirectNET** network. When this relay is off, HEX mode is used. When this relay is turned on, ASCII mode is used. Off is the default state.

- Port 1 C1077
- Port 2 C1076

### DL340 Selecting Parity for Port 2

DL340 CPUs with firmware V2.7 or later allow you to select the parity for Port 2. The default setting is none. A special propose control relay (C1072) is used to select between odd parity (relay is on) and no parity (relay is off).

- Port 2 C1072