



PyroElectro.com - PyroEDU

Introduction To Digital Electronics – Lesson 11: 7400 Series Logic Devices

FORMULAS

The following formulas and information are meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/digital/7400_logic/

74XX SERIES LOGIC IC DATASHEETS

The 3 main IC's explored in this lesson were the 74HC138, 74HC193 and 74HC595. Each of these IC's has a primary and it is important to know the details of each individual part before you attempt to use it in any circuit. Here you can find the locations of each datasheet for these three parts:

74HC138 – 3-to-8 Decoder

NXP: http://www.nxp.com/documents/data_sheet/74HC_HCT138.pdf

74HC193 – 4-Bit Up/Down Counter

NXP: http://www.nxp.com/documents/data_sheet/74HC_HCT193.pdf

74HC595 – 8-bit Shift Register

NXP: http://www.nxp.com/documents/data_sheet/74HC_HCT595.pdf

ADDITIONAL INFORMATION

If you have any questions about the formulas or information found in this document, please feel free to head on over to the forums and ask us some questions!

<http://www.pyroelectro.com/forums/viewforum.php?f=21>