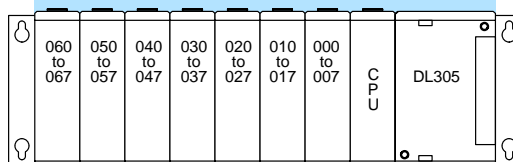


I/O Configurations with an 8 Slot Local CPU Base

The configurations below show an 8 slot base with 8 point I/O modules, 16 point modules, one 5 slot expansion base and two 5 slot expansion bases.

8 Slot Base with 8 Point I/O

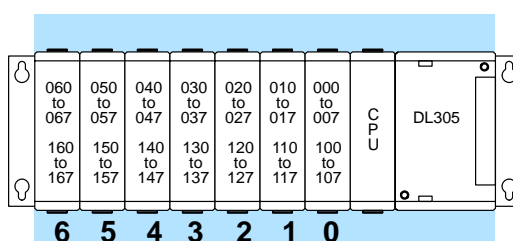
Total I/O: 56



8 Slot Base with 16 Point I/O

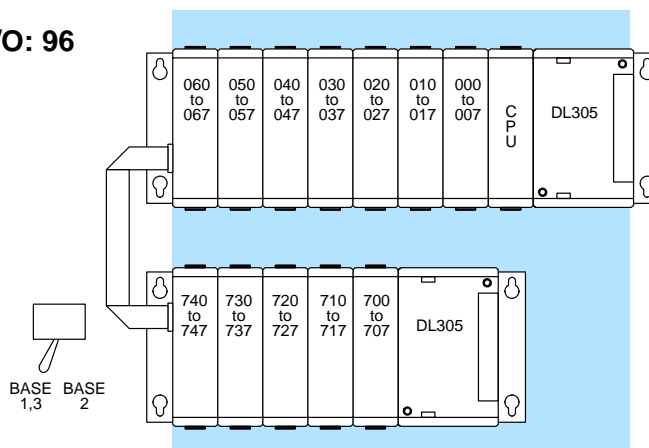
Total I/O: 112

*See note below regarding points 160–167



8 Slot Base and 5 Slot Expansion Base with 8 Point I/O

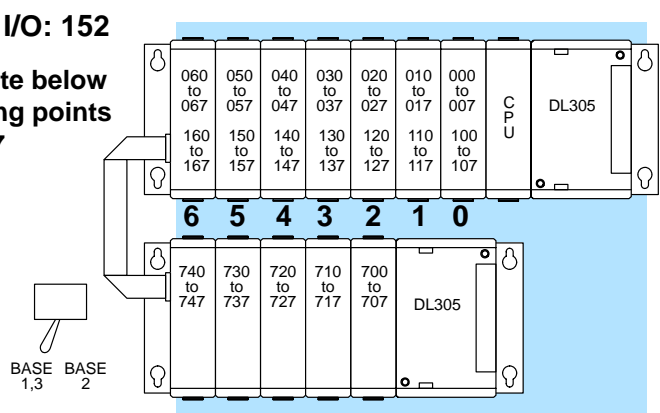
Total I/O: 96



8 Slot Base and 5 Slot Expansion Base with 16 Point I/O

Total I/O: 152

*See note below regarding points 160–167



***NOTE:** If a 16pt module is used in Slot 6, 160 through 167 will not be available for control relay assignments. Also, even though you are using these points as I/O, you still enter them as C160–C167 in **DirectSOFT**.

I/O Configurations with a 10 Slot Local CPU Base

The configurations below and on the next few pages show a 10 slot base with 8 point I/O modules, with 16 point modules, with a 5 slot expansion base and with a 10 slot expansion base.

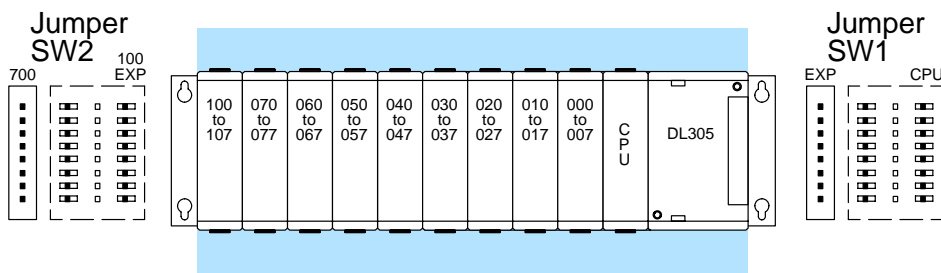
Switch settings

The 10 slot base has two jumper switches to select the base type and the address ranges to use. These switches can be found on the base between slots 3 and 4 (SW1) and slots 9 and 10 (SW2). Jumper switch SW1 is used to select if the base is a local CPU base or an expansion base. Jumper switch SW2 determines the I/O address range (100 – 107 or 700 – 707) for the 10th slot on the local CPU base. By selecting the address range of 700 to 707 for slot 10, it is possible to use a 16 point module next to the CPU (which uses the ranges of 000 to 007 and 100 to 107), however; the position of this switch will affect the I/O numbering for the expansion I/O if used.

NOTE: Jumper switch SW2 must be set to “100 EXP” on the expansion base.

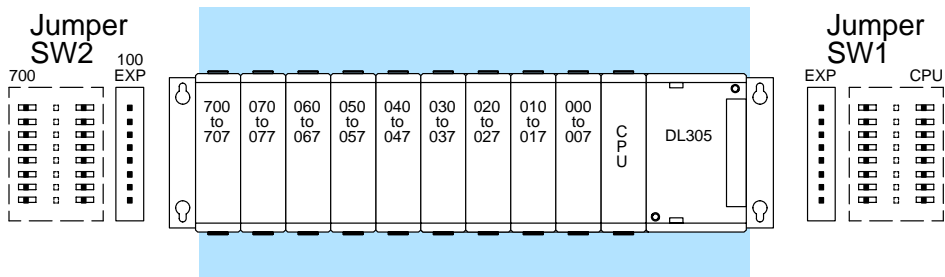
**Last Slot Address
Range 100 to 107**

Total I/O: 72



**Last Slot Address
Range 700 to 707**

Total I/O: 72



10 Slot Expansion Base with 16 Point I/O

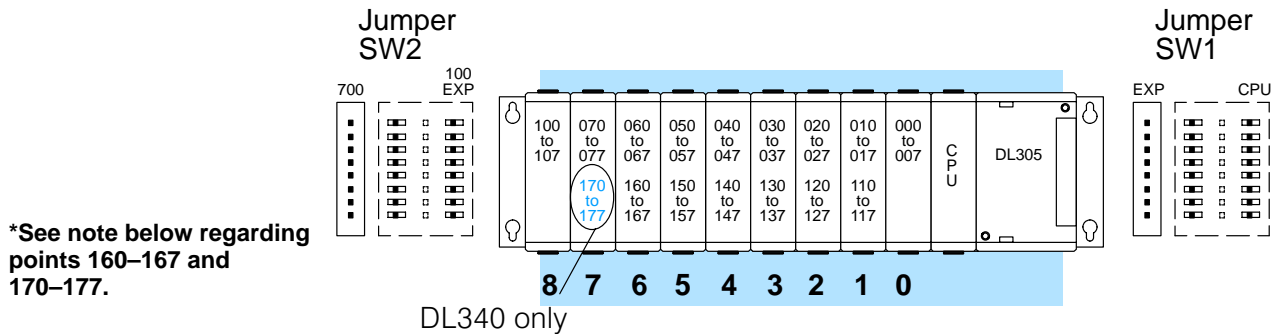
The next two configurations show a local CPU base using 16 point I/O modules and the two possibilities for how to configure the base to use the maximum number of I/O points.

Configuration 1

Configuration 1 shows an 8 point I/O module the slot next to the CPU and the address range of 100–107 for the last slot. When jumper switch SW2 is set to the “100 EXP” position, the address range for the last slot is set to 100–107, thereby limiting the address range for the first module to 000–007. This means if you use this configuration, the first module must be an 8 point I/O module. You will have more available addresses for an expansion base as you will see in the example using a 10 slot expansion base.

Total I/O: 128

Configuration 1

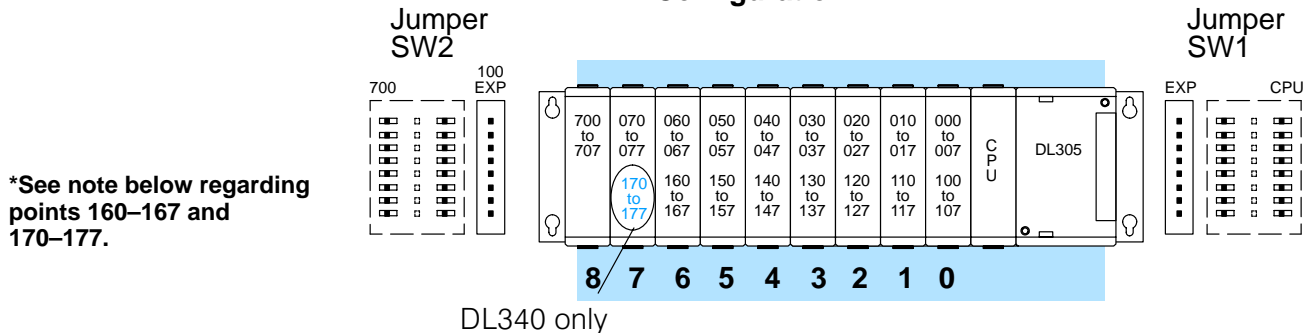


Configuration 2

Configuration 2 shows a 16 point I/O module in the slot next to the CPU and the address range of 700–707 for the last slot. This is the maximum I/O configuration for a 10 slot local CPU base. When jumper switch SW2 is set to the “700” position the address range for the last slot is set to 700–707 making addresses 000–007 and 100–107 available for use in the first slot. The position of jumper switch SW2 can limit the amount of I/O addresses available to the larger expansion bases since expansion I/O numbering would normally start with address 700.

Total I/O: 136

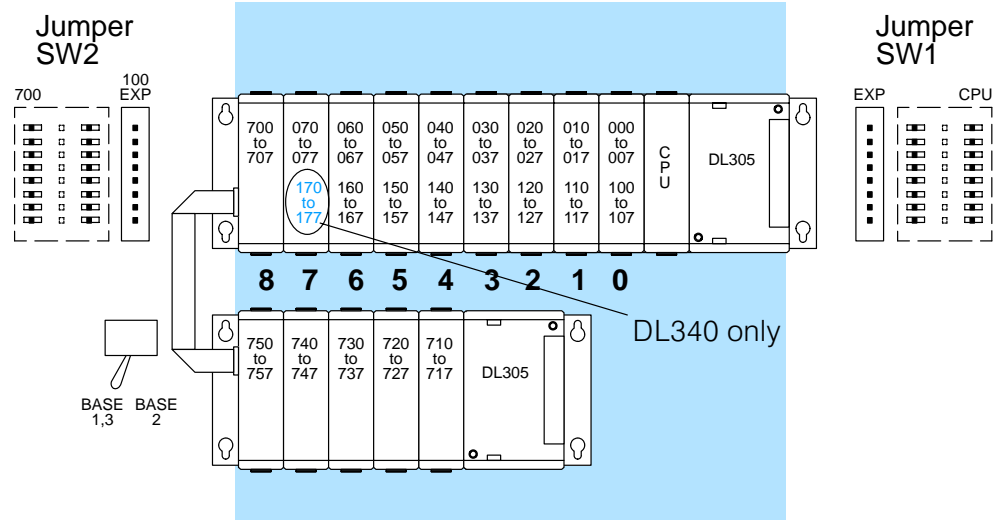
Configuration 2



***NOTE:** If a 16pt module is used in Slot 6 for the DL330 or DL330P CPU, 160 through 167 will not be available for control relay assignments. If a 16pt module is used in Slot 6 and/or Slot 7 for a DL340 CPU, 160–167 and/or 170–177 are not available for control relay assignments. Also, even though you are using these points as I/O, you still enter them as C160–C167/C170–C177 in **DirectSOFT**.

10 Slot Base and 5 Slot Expansion Base with 16 Point I/O

Total I/O: 176



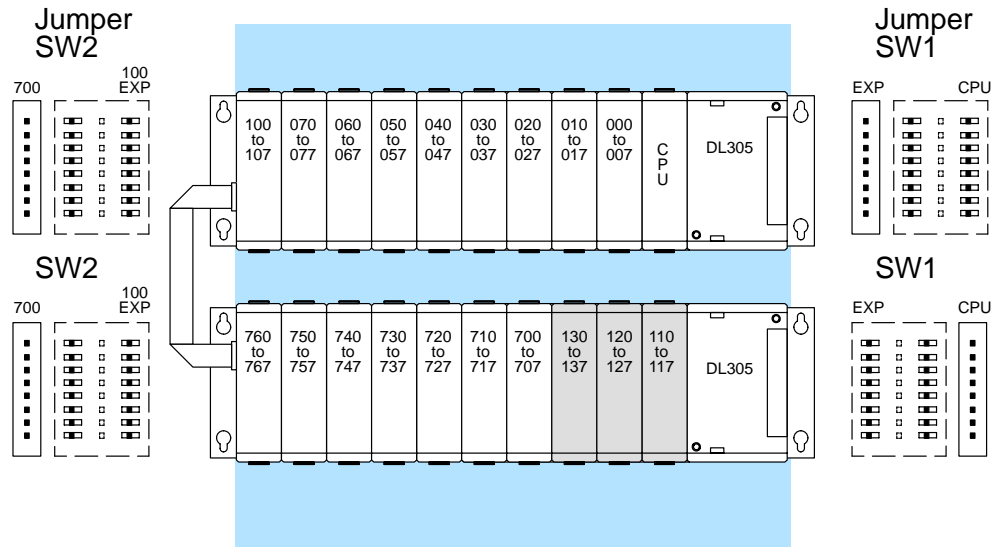
***NOTE:** If a 16pt module is used in Slot 6 for the DL330 or DL330P CPU, 160 through 167 will not be available for control relay assignments. If a 16pt module is used in Slot 6 and/or Slot 7 for a DL340 CPU, 160–167 and/or 170–177 are not available for control relay assignments. Also, even though you are using these points as I/O, you still enter them as C160–C167/C170–C177 in **DirectSOFT**.

Expansion Addresses Depend on Local CPU Base Configuration.

I/O addresses change depending on the point configuration in the local CPU base. Notice, when the local CPU base contains only 8 point I/O modules, addresses 110–117, 120–127 and 130–137 are available for use in the expansion base. When the local CPU base has 16 point I/O modules, which use the I/O addresses 110–117, 120–127 and 130–137, these addresses are taken up and are not available for use in the expansion base.

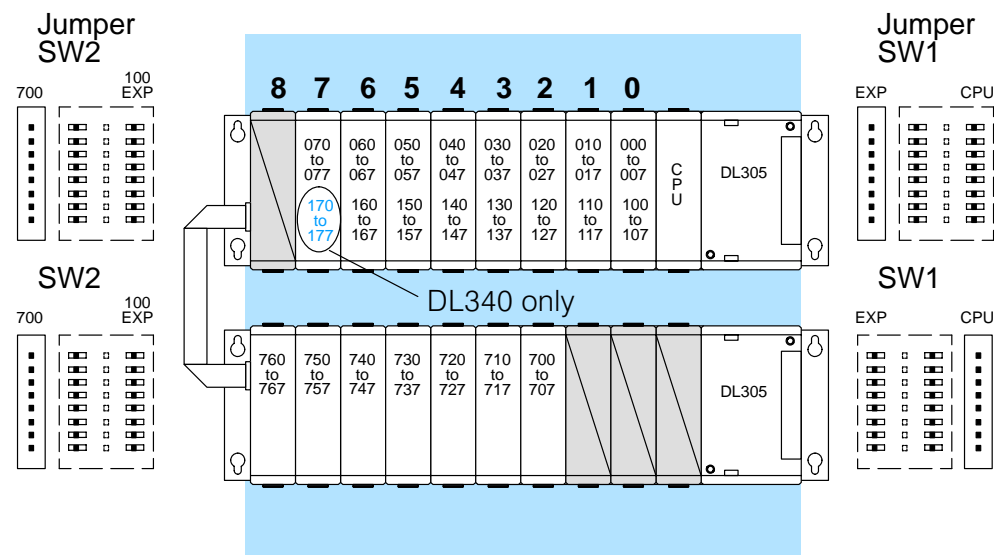
10 Slot Base and 10 Slot Expansion Base with 8 Point I/O

Total I/O: 152



10 Slot Base and 10 Slot Expansion Base with 16 Point I/O

Total I/O: 184



***NOTE:** If a 16pt module is used in Slot 6 for the DL330 or DL330P CPU, 160 through 167 will not be available for control relay assignments. If a 16pt module is used in Slot 6 and/or Slot 7 for a DL340 CPU, 160–167 and/or 170–177 are not available for control relay assignments. Also, even though you are using these points as I/O, you still enter them as C160–C167/C170–C177 in **DirectSOFT**.