



590+ Control Transformer Option

Application

This option only applies to 590+DRV frames 1 and 2.

The 590+ DRV drives frames 1 and 2 need an auxiliary 120VAC supply, to power the control circuit. This is usually provided by an external control transformer, if several drives are installed in one enclosure.

For individual drives, the 590+ control transformer option provides the auxiliary power in a self contained package, without the need for an external transformer. The option is factory installed and its presence is denoted by a **-CX** suffix to the 590+ part number. For example, 955+8R0020-CX.

CAUTION
Do not connect an external auxiliary supply to the terminal strip when a control transformer option is installed on the drive.
Severe drive damage could occur

Input Voltage Selection

The only user adjustment for this option is the selection of the primary voltage supply. This is the same as the three phase input voltage of the drive. For safety reasons, the drive is shipped with the 480V tap selected.

Frame 1: For a different drive voltage selection, move the jumper to the appropriate voltage header, silk-screened on the printed circuit board.

Frame 2: For a different drive voltage selection, move the wire to the appropriate voltage header, as shown in figure 2. A pair of needle-nose pliers is recommended.

The drive input voltage ranges that correspond to the four settings are shown in the table below

Setting	Voltage Range
480	460 – 500
400	380 – 415
230	220 – 240
208	208

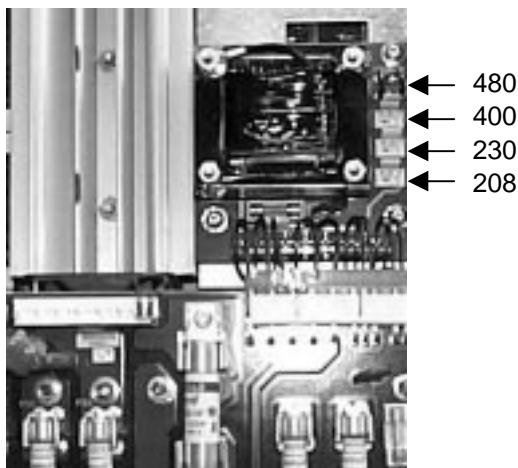


Figure 1 - Frame 1

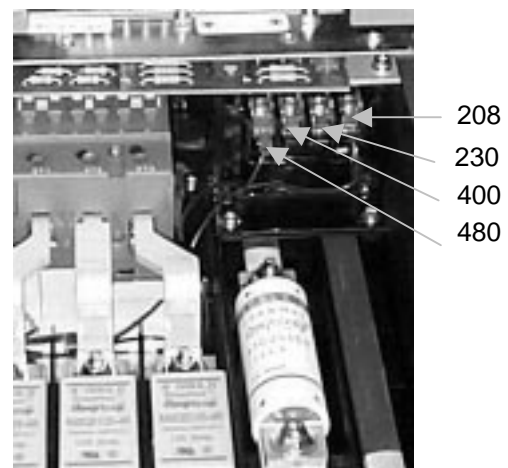


Figure 2 - Frame 2