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Operation Manual for Off-release Power Supply/Controller

Off-release Power Supply/Controller automatically sends reversing voltage to an electromagnet when power source is turned off to overcome residual magnetism.

AC power input to transformer:

Unless input voltage is defined by an input label, default input connection is for 230 volt. For 230 V. input, use one provided jumper between H3 & H2 on transformer terminals. For 115 V. input, use one provided jumper between H1 & H3 and another jumper between H2 & H4.

230 Volt Connection



115 Volt Connection



Electromagnets connection:

Connect electromagnet(s) to DC output terminals located at lower left corner of the control board. Be sure to make all electromagnets in parallel connection and less than 100 watts in total. Do not mix electromagnets with different part numbers.

Control Methods:

Option A, controlled by an input main switch:

Add a wire jumper between C1 & C2 located at upper right corner of the control board. Use the main switch (not with the power supply) to turn on or off the power supply.

Option B, controlled by a N.O. relay, or a SPST switch, or a PLC contact:

Connect normal open contacts of a relay or switch to C1 & C2 located at upper right corner of the control board.

Option C, controlled by a PLC signal voltage:

Connect positive terminal of a PLC signal to C2 and negative terminal of a PLC signal to C3 located at upper right corner of the control board. The magnitude of a PLC signal voltage must be the same as output of the power supply.



Final adjustment:

Most of the time, there is no need to make any final adjustment to release a part. In the event to fine tune reversing voltage, set the magnet about 1/16"-1/8" above the part. Slowly turn the potentiometer located at upper left corner of the control board while cycling on and off. Call Magnetech Corp. at 1-248-426-8840 for any assistance.