MODEL 218 THREE PHASE PULSE GENERATOR

PART NUMBER 12M03-00112-01
APPLICATION NOTES

1. The rise time of output current can be modified by operating at different feedback levels. Decreasing the feedback level (and the reference level proportionately) will provide a slower rise time which may be necessary to prevent poor commutation on older motors. A feedback level of higher than 2 volts will provide a faster rise time but will also be accompanied by some overshoot which may be objectionable.

2. Insert a screw in the connecting terminal strip, position no. 35, to prevent inverting the assembly or interchanging it with the Model 218 Pulse Generator.

3. The control is designed for a current feedback of 2 volts at the current limited level. If the feedback is higher than 2 volts, unbalanced firing may result.

4. If an "open-loop" mode of operation (without current feedback) is desired, connect a 6.8K resistor between terminals 1 and 4.

   The control will then respond to a 0 to -6 volt signal (obtained from a 1K potentiometer between terminals 10 and 16) with wiper to terminal 3. Since there is a "dead band" until the input reaches approximately 2.5 volts (this permits regenerative operation) it may be desirable to add a separate 10K "Zero Bias" potentiometer between terminals 10 and 16 with a 10K resistor from the wiper to terminal 4.

5. To use this unit on 600V AC, add three 200K, 1% resistors one each in series with terminals 28, 32 and 36.

6. A normally closed "Enable" relay contact should be connected between terminals 1 and 4 to clamp the Current Regulator in the "off" condition to avoid surges in starting or if the Jog circuit is "Telegraphed"

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