

PG20 Pulse Generator



FEATURES

- **Linear Ramping**
- **Adjustable Base and Max Speeds**
- **Remote Max Speed Pot**
- **Low and High Speed Ranges**
- **Independent Accel and Decel**
- **Open Collector Pulse Output**
- **VCO Input**



DESCRIPTION

General Description

The PG20 is a linear ramping pulse generator (PG) designed to be used with Anaheim Automation's Step Motor Drivers. It has adjustable BASE and MAX speeds and independent adjustments for acceleration (ramping up) and deceleration (ramping down).

Speed Ranges

The PG20 has an adjustable BASE speed (starting speed) and an adjustable MAX speed (running speed). There are two speed ranges that are jumper selectable, on JP1. For the low speed range, the BASE speed can be adjusted from 50 pulses/sec to 500 pulses/sec and the MAX speed can be adjusted from 50 pulses/sec to 5,000 pulse/sec. For the high speed range, the BASE speed can be adjusted from 200 pulses/sec to 2,000 pulses/sec and the MAX speed can be adjusted from 200 pulses/sec to 20,000 pulses/sec. Note: It is possible to have a MAX speed that is lower than the BASE speed. The BASE speed potentiometer is on-board; the MAX speed potentiometer is external (mounted on bracket).

Power Requirements

There are three ways to power the PG20 pulse generator. It may be powered by an AC voltage (9-12VAC), an unregulated DC voltage (8-15VDC), or by a regulated +5VDC (see specifications). When the PG20 is used with Anaheim Automation Driver Packs or transformers, the easiest way to supply power to the PG20 is by connecting the orange logic windings of the transformer to the AC inputs of the AA2876. This voltage is typically around 10VAC.

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DIMENSIONS

