

20350

DC Full/Half Step Drive w/ Oscillator



Product Features

- On-board oscillator
- Full & half step
- Idle current reduction
- Screw terminal connectors
- Dip switch setup
- Analog speed adjustment
- Tach output
- Enable input (inhibit)
- Optically isolated inputs



Description

The 20350 step motor driver is a full or half step drive, step phase sequencer with three state switching amplifiers and optoisolated circuits. This drive has a built in ramping pulse generator (oscillator) with adjustable speed, acceleration and deceleration. Oscillator speed range is 0-5,000 Hz. Speed can be set from on-board trimpot or external pot.

A jumper allows you to select the internal oscillator. In oscillator mode, the pulse input becomes a run/stop signal: when this signal is set high, the motor accelerates to a preset speed and slews. Lowering the input signal causes the drive to decelerate to rest.

The amplifier regulates motor current by chopping at a constant, inaudible frequency. Phase current is selected from 16 levels by a DIP switch.

Specifications

Model Number	20350
Part Number	1000-055
Supply Voltage	12-35 VDC
Supply Voltage Type	DC
Control Modes	<ul style="list-style-type: none">• Step & Direction• Velocity (Oscillator)
Output Current	0.125-2.0 A/phase
Communication Ports	NA
Encoder Feedback	No
Step Resolution	<ul style="list-style-type: none">• Full• Half
Idle Current Reduction	50%
Setup Method	Switch / potentiometer
Digital Inputs	3
Digital Outputs	1
Analog Inputs	1
Dimensions	4.0 x 3.0 x 1.5 inches
Weight	9 oz
Operating Temperature Range	0-70 °C
Ambient Temperature Range	0-50 °C
Ambient Humidity	90% max, non-condensing
Status LEDs	1 red (power)
Circuit Protection	NA

Software

Software Downloads	There is no software related to this product.
Sample Code	There are no sample code documents at this time.

2D Drawings

