

TEST INSTRUMENTS

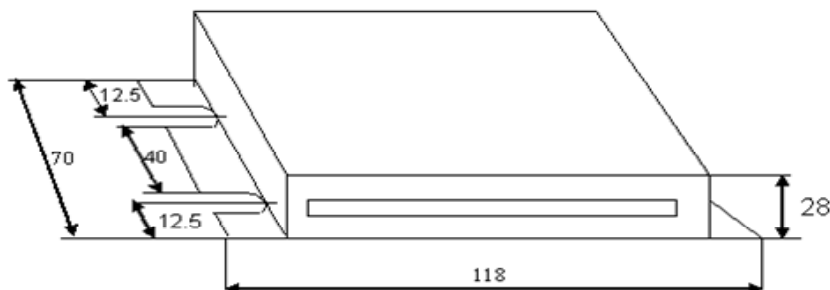
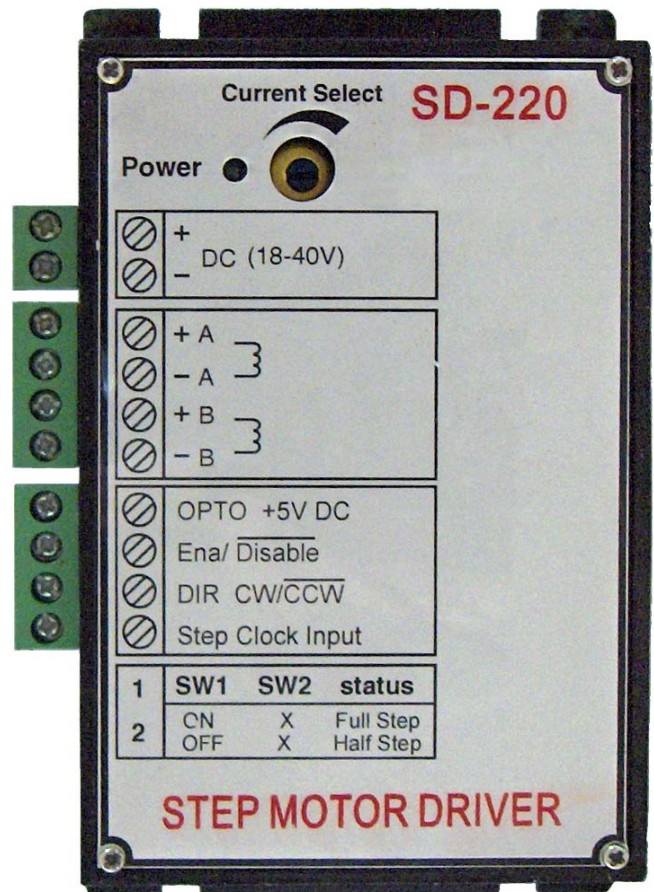
The SD-220 is a chopper type full or half step driver for use with 4, 6, and 8 wire step motors. It has opto-isolated step, direction and Enable/Disable inputs that can either be driven directly by TTL gates or by open collector transistor outputs. The power supply voltage can range from 18 VDC to 40VDC and maybe unregulated. The motor phase current is adjustable up to 2 Amp. The SD-220 is encapsulated in a sturdy heat conductive aluminum case, making it suitable for use in a harsh environment.

Features

- Full / half step (selectable) bipolar chopper driver
- Driver for 2 or 4 phase stepper motor
- Power supply voltage range from 18 VDC to 40VDC (can be unregulated)
- Motor phase current up to 2 Amp (adjustable)
- Step rate \leq 12 kHz
- Opto-isolated step clock input, direction inputs (CW/CCW), and Enable/Disable input that can either be driven directly by TTL gates or by open collector transistor outputs
- Encapsulated in a sturdy heat conductive aluminum case

Technical Specifications

- ◆ Resolution: $\frac{1}{2}$ (Min) ~ 1 (Max) step
- ◆ Supply voltage: 18V ~ 40V DC
- ◆ Motor phase current: 2 Amp (Max) - Adjustable
- ◆ Step rate: 12 kHz (Max)
- ◆ Operating temperature: 0 °C ~ +70°C
- ◆ Dimension: 118mm (H) x 70mm (W) x 28mm (D)
- ◆ Weight: 0.7 lb.



* Units shown in mm (millimeter)