

1035D Dual Step Drive

Full & Half Stepping
1.0 amps, 35 VDC

Features

- Accepts 12 – 35 VDC power supply (including ripple)
- Adjustable motor current: 0 to 1.0 amps/phase.
- Full or half step (jumper selectable), quarter stepping available for OEM
- Compact size (1.0 x 2.4 x 3.55 inches)
- Mounts on DIN rail
- Optically isolated 5 – 24V step and direction inputs can be configured for sinking or sourcing logic
- Automatic idle current reduction.
- Drives 4, 6 or 8 lead step motors, sizes 11 – 23
- Compatible step motors available from stock
- Lightweight, rugged molded case
- Pluggable, screw terminal connectors
- CE compliant

Description

The 1035D consists of two stepper drives that can operate in full or half step mode. Each driver can be individually controlled via its step and direction inputs. Each driver includes an automatic feature to lower motor current anytime the motor is left at rest for more than one-half second.

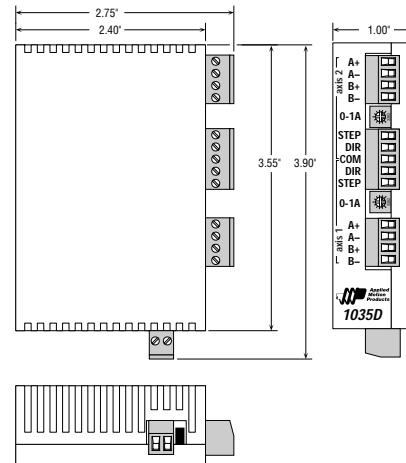
The amplifiers regulate motor current by chopping at a constant, inaudible frequency. Phase current for each axis is independently adjustable by front panel potentiometers.

Recommended motors for the 1035D drive:

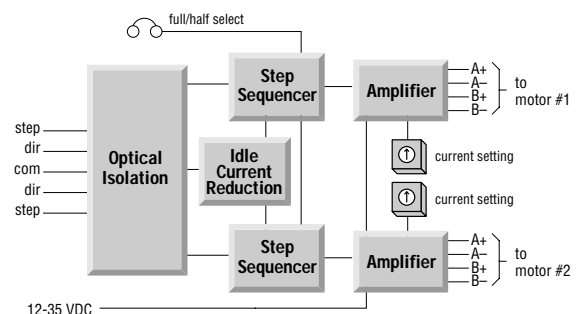
Size 11	Size 14	Size 17	Size 23
HT11-012	5014-842	HT17-068	HT23-394
HT11-013		HT17-071	HT23-397
		HT17-075	HT23-400



MECHANICAL OUTLINE



BLOCK DIAGRAM



1035D Torque Curves

