

X-MIND B *Series Drives*

GENERAL DESCRIPTION

X-MIND B is the name of a series of ministep bipolar drives directly from the main with AC supply, suitable for driving stepping motors.

X-MIND B series drives are housed in a metallic box, 180 x 173 x 53 mm format, suitable for wall mounting.

They can be connected directly to the main AC supply (110 to 230 V_{AC}) normally avoiding the need for a transformer.

The wide supply range eases the use of this drive in different applications and countries.

X-MIND B is UL CSA certified.

The ministep operation, connected with a further electronic resonance damping facility, ensures low acoustic noise and a reduced amount of motor mechanical vibrations.

Optically insulated and differential input/output signals ease interfacing with the most commonly used control systems and ensure high noise immunity.



Motion Control Systems

www.automotsys.com.au

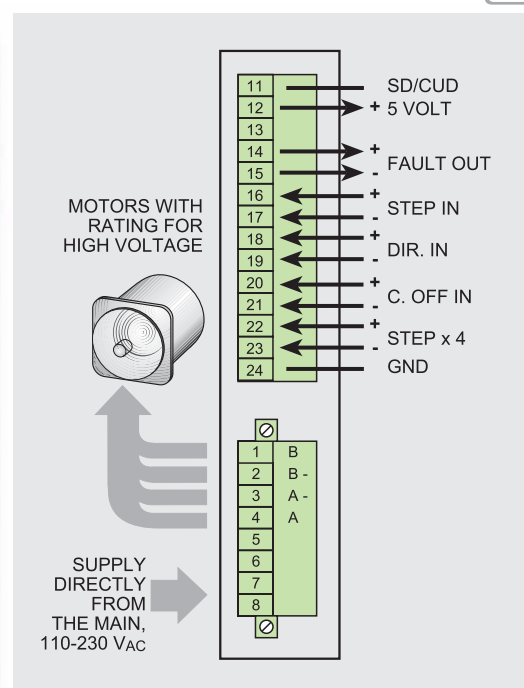
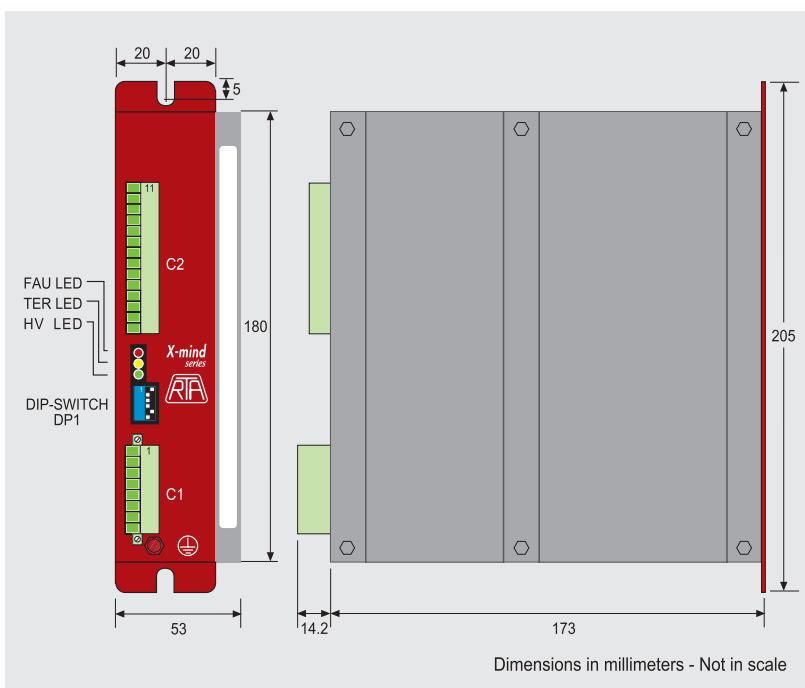
R.T.A. STEPPING MOTOR DRIVES catalogue

TECHNICAL FEATURES

- Operation directly from the main AC supply (from 110 to 230 V_{AC}). No need of external transformer and rectifier.
- High voltage DC bus: direct rectifier from main AC supply.
- Easy motor phase current setting by means of DIP-SWITCH.
- Operation at 400, 800, 1600, 3200 and 500, 1000, 2000, 4000 steps/revolution.
- Automatic current reduction at motor standstill.
- Protection against a short circuit at motor outputs.
- Protection against under-voltage and over-voltage.
- Overheating protection with thermal sensor.
- Optically insulated inputs compatible with differential control.
- Possibility to switch off motor current with an external logic signal.
- High efficiency CHOPPER with IGBT final stage output.
- Electronic resonance damping circuit to ensure acoustic noise and mechanical vibrations reduction at low and medium speed.
- UL/CSA certified.

NOTE: Motors with rating for high voltage must be used in coupling with this drive.

Models	V _{AC} range	I _{NF} min. (Peak value)	I _{NF} max. (Peak value)	Dimensions
	(VOLT)	(AMP)	(AMP)	(mm.)
X-MIND B 4	110 to 230 +/- 15%	2.3	4	180x173x53
X-MIND B 6	110 to 230 +/- 15%	3.4	6	180x173x53



AUTOMATED MOTION SYSTEMS PTY. LTD.

MAILING ADDRESS:
P.O. BOX 1240
WANGARA DC
W.A. 6947

PHONE: (08) 9309 1896
FAX: (08) 9309 5671
EMAIL: sales@automotsys.com.au
INTERNET: http://www.automotsys.com.au

OFFICE ADDRESS:
UNIT 2, 7 BARETTA RD.
WANGARA, PERTH
WESTERN AUSTRALIA