

2.1 ELECTRICAL

NOTE: Ensure the LYNX is disconnected from the supply before working on the unit.

POWER CABLING.

Only use cable with correct voltage and current ratings. A minimum of 600V AC rating is recommended. Input and output currents are listed in table 1.

INPUT FUSING.

The LYNX is not fuse protected on the incoming supply and circuit breakers or HRC fuses of the correct voltage and current ratings are recommended. See Table 1 for current ratings. Fusing of the DC supply to the motor is not recommended.

CONTROL SIGNAL CABLING

All control inputs to the LYNX are both low voltage and effectively isolated from power circuits. Signal cables may be screened and connected to earth near the LYNX. In any case avoid running signal cables close to power cables of any type.

SELECTOR LINKS

MUST be re-positioned with the LYNX switch off and disconnected for safety. Selector link detail is given in Sec. 3.1

Although the LYNX is very well protected and incorporates a high degree of electrical noise immunity, installations involving electrical welding, RF induction heating etc. may benefit from the addition of a simple mains filter on the AC supply. Please consult your supplier.

MOTOR CHOKES

When specified for certain DC motors, must be wired in series with the motor armature.

Typical connection arrangements for the LYNX are detailed in Sec 2.2

For controlled reversing an option card, type LC is available for use with the LYNX.

STATUS RELAY

Terminals 10 & 12 of the Lynx are N.C. going open at power-up and closing at trip or power-loss conditions. Terminals 11 & 12 are closed when running.

2.2 CONNECTION

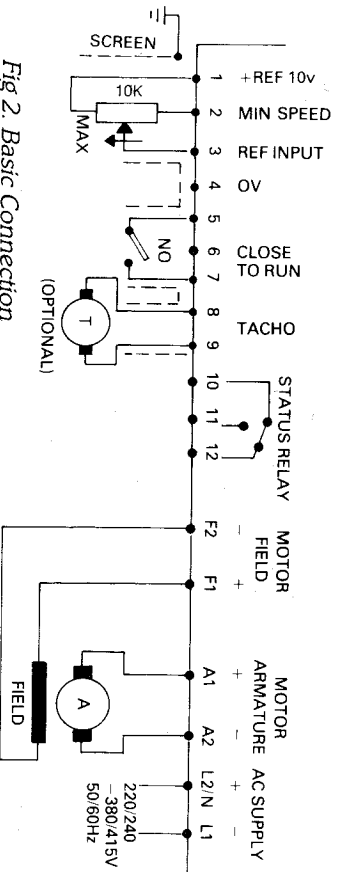


Fig 2. Basic Connection

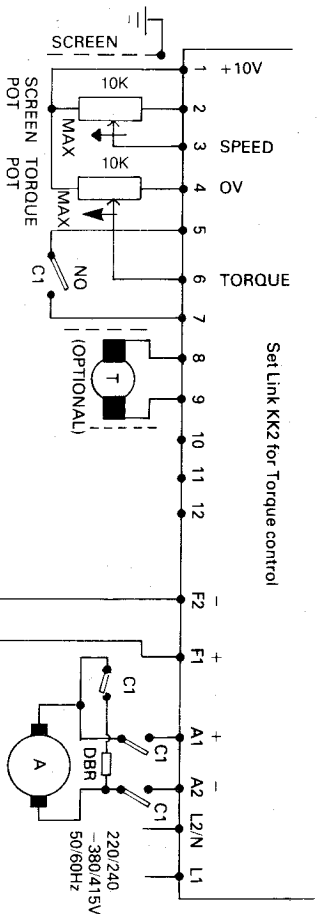
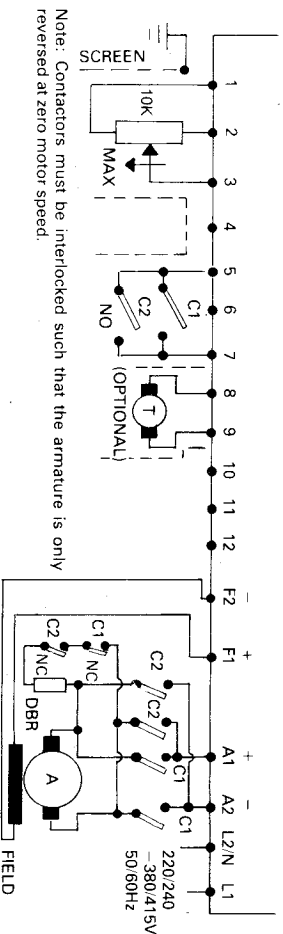


Fig 3. Torque Control & Dynamic Braking



Note: Contactors must be interlocked such that the armature is only reversed at zero motor speed.

Fig 4. Reversing with Dynamic Braking

2.3 MECHANICAL

The following general guidelines should be used when installing any electronic equipment.

1. Mount the unit for best heatsink air-flow i.e. fins vertical, see page 10.
2. Mounting should be vibration-free.
3. Ambient temperatures should not exceed -10°C to +40°C.
4. Unit should not be mounted in areas of direct sunlight.
5. Installation is free from dust, corrosive gas and grinding fluid.

Original Text

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