

5 Setting Up the MultiAx



Read Chapter 1 *Safety Information* before applying AC power to the MultiAx or any associated equipment.

NOTE

Since the MultiAx can be used with different types of motion controller, the setting-up instructions and information in this chapter are not specific to operation with any type of controller; for certain controllers additional instructions and information may be required. Refer also to the documentation for the motion controller.

5.1 Commissioning

To commission the MultiAx refer to the machine, system or motion controller user guide.

5.2 Primary axis

The MultiAx can be used to run up to 3 motors. For applications that use a MultiAx with only one or two axes, Axis-A MUST always be configured for use. I.e. Axis-A must NOT be the redundant axis.

5.3 Diagnostics



Users must not attempt to repair a drive if it is faulty, nor carry out fault diagnosis other than through the use of the diagnostic features described in this section. Under no circumstances must the casing of the drive be opened when the AC supply is connected. If a drive is faulty, it must be returned to an authorised Control Techniques distributor for repair.

When the MultiAx is operating normally, indicator **D5** is continuously lit. If the MultiAx trips, **D5** is extinguished and other indicator(s) are lit, as follows:

D1, D2, D3

- Excessive instantaneous output current
- The value of I^2t for the related axis has reached the trip level **D4**
- The trip has been caused by a fault other than those above (see controller fault finding guide)

D6, D7, D8 are lit when their related axis has received a **Hardware enable** (global or axis) plus a **Software enable**. If an SLM trips, the axis becomes disabled (the **Software enable** is removed) and the related indicator becomes extinguished.

5.4 Clearing trips

1. Remove the cause of the trip (see *Fault finding*).
2. Reset the MultiAx using the motion controller or by removing and re-applying the AC supply
3. Re-position the motor shafts, as required.

5.5 Fault finding

Refer to the machine or system user guide for fault codes and their meanings.

Status indicators

Figure 5-1 Status indicators on the front panel of the MultiAx

