

NEWALL DP500 Quick Start Guide

Warnings

The mains supply is connected into a switch mode power supply (separate from your DP500) via a detachable supply cord supplied. If another supply cord is used, it must have fitted a C5, 10A, EARTHED mains connector with a cord rated for at least 10A.

If a mains plug is not already fitted to the supply cord or is of the wrong type, then a suitable EARTHED plug should be used which complies with the relevant specifications for plugs and socket-outlets.

You can only use the DP500 with Newall Spherosyn LT and Microsyn LT analogue encoders.

Unit only to be serviced by Newall qualified personnel or authorised alternatives.

If a Spherosyn LT encoder travels over 2.2m an error message will be displayed, see full manual for details.

Turn off the power by disconnecting the power supply connector before you connect the encoder(s)

Technical Specification

Environmental

Operating Temperature
-10°C to 50°C

Storage Temperature
-20 to 70°C

Environmental Conditions - IP40 (Stand Alone)

Relative Humidity - maximum 95% for temperature up to 31°C

Disposal

At the end of its life, you should dispose of the DP500 in a safe manner applicable to electronic goods.

The case work is suitable for recycling. Please consult local regulations on disposal.

Electrical

EU Directive 73/23/EEC (Low Voltage Directive)

BS EN 55022:1998 Class B

BS EN 55024:1998

Input to Power Supply Unit (Supplied)

100-240V (47-63Hz)

External switch-mode

Output voltage 15VDC

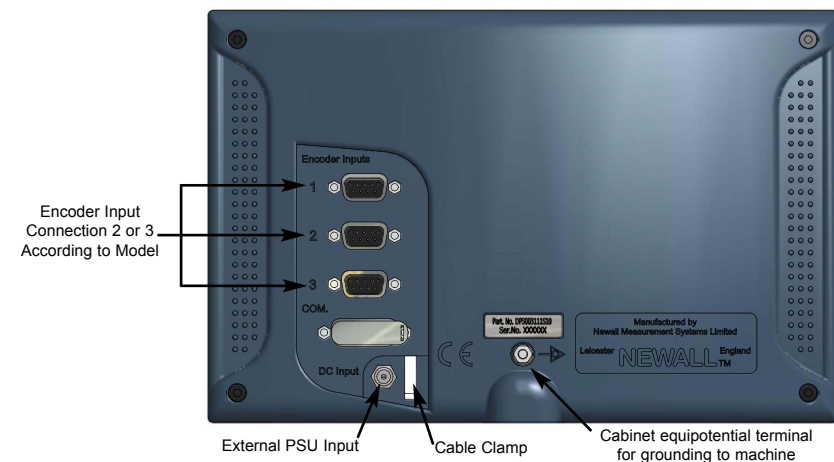
Input Voltage to DP500

15-24VDC \pm 10%

Conforms to Low Voltage Directive

Note: Newall Measurements Systems reserves the right to change specifications without notice.

Connections



Understanding the Keypad



- Axis Selection Key
- Numeric Keys
- Enter Key
- Clear Numeric Entry
- Center Find
- Undo Key
- Digifind / Reference
- Switches between Zero and Axis Preset modes
- Switches between Absolute and Incremental modes
- Switches between Inch and mm display
- Information selection (scrolls through options on Message display)
- Function Menu Key
- Function Navigation Keys
- Sleep key

Zero an Axis in Zero Mode

Ensure DP500 is in Zero Mode of Axis 1, 2 or 3

Zero an Axis in Set Mode

Ensure DP500 is in Set Mode of Axis 1, 2 or 3

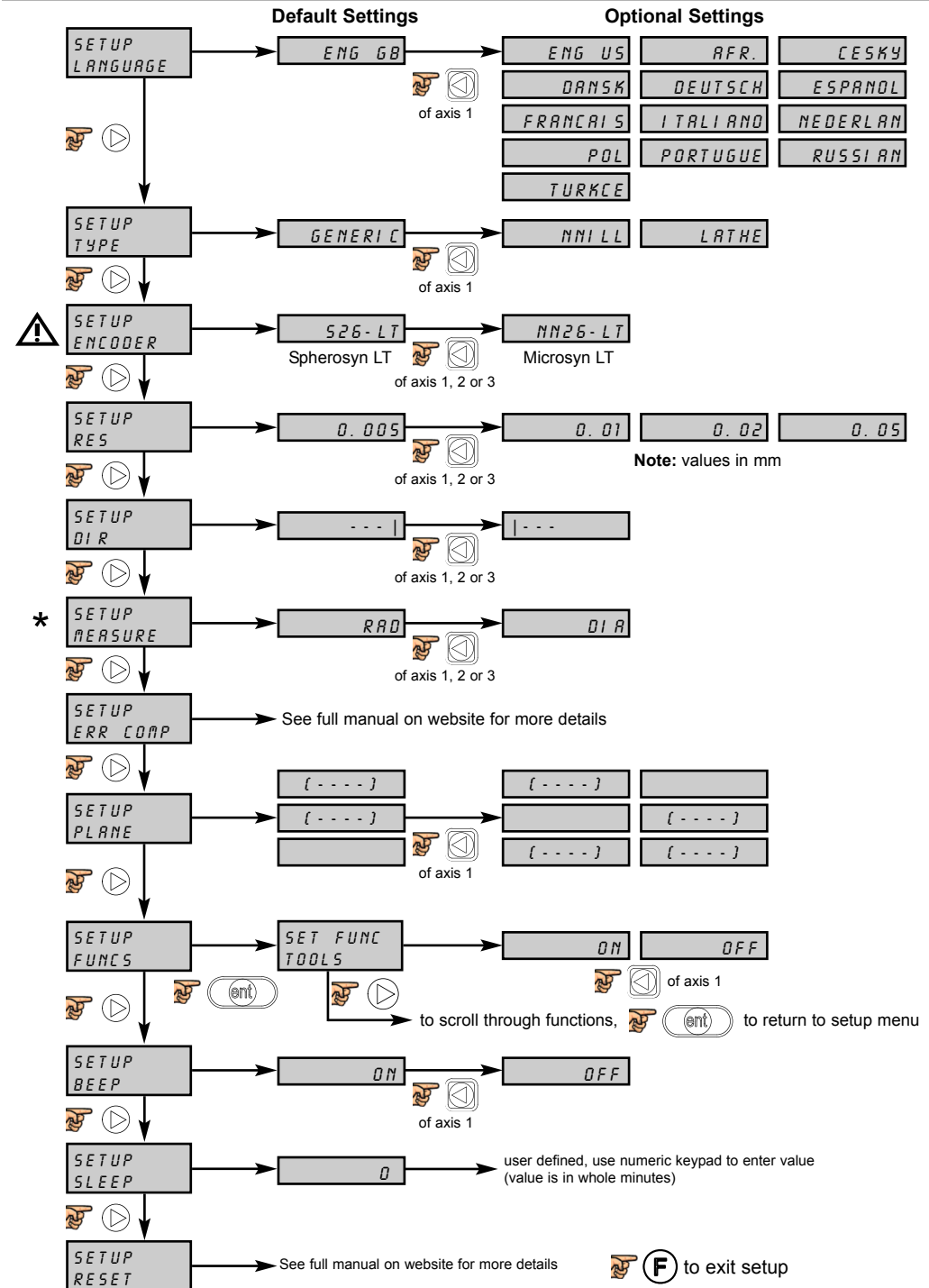
Preset an Axis

Ensure DP500 is in Set Mode 1 2 = -145.230

ENTERING SETUP

Until display shows FUNCS
SETUP display shows SETUP
CODEP

SETTING UP THE UNIT



⚠ Must be set to match encoders on the machine

* Lathe version, X axis set to DIA as default