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023-81360-UK/0

A full hard copy of the manual is available free of charge on request

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DP700 Quick Start up Guide

For the complete manual please download from:
<http://newall.com> , Click technical Support to access the download page.

⚠ Warnings

The mains supply is connected into a switch mode power supply (separate from your DP700) 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 DP700 with Newall Spherosyn and Microsyn analogue encoders.

The power supply must be disconnected before opening the unit and completed by qualified personnel.

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)
 IP54 (Panel Mount)

Electrical

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

BS EN 55022:1998 Class B
 BS EN 55024:1998

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

Input to Power Supply Unit (Supplied)
 100-240V (47-63Hz)

Disposal

At the end of its life, you should dispose of the DP700 in a safe manner applicable to electronic goods.
 The case work is suitable for recycling. Please consult local regulations on disposal.

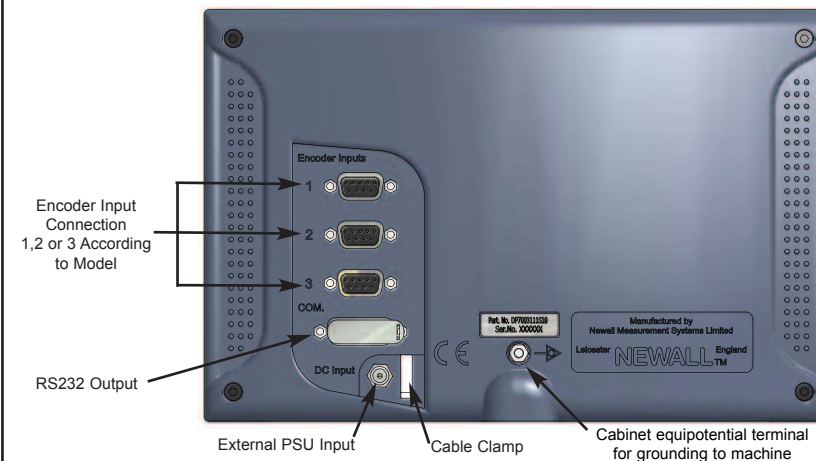
External switch-mode
 Output voltage 15VDC

Input Voltage to DP700
 15-24VDC ±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
- Digifind / Reference
- Numeric Keys
- Switches between Zero and Axis Preset modes
- Switches between Absolute and Incremental modes
- Switches between Inch and mm display
- Enter Key
- Information selection (scrolls through options on Message display)
- Clear Numeric Entry
- Function Menu Key
- Centre Find
- Undo Key
- Function Navigation Keys

Zero an Axis in Zero Mode

Ensure DP700 is in Zero Mode of Axis 1, 2 or 3

Zero an Axis in Set Mode

Ensure DP700 is in Set Mode of Axis 1, 2 or 3

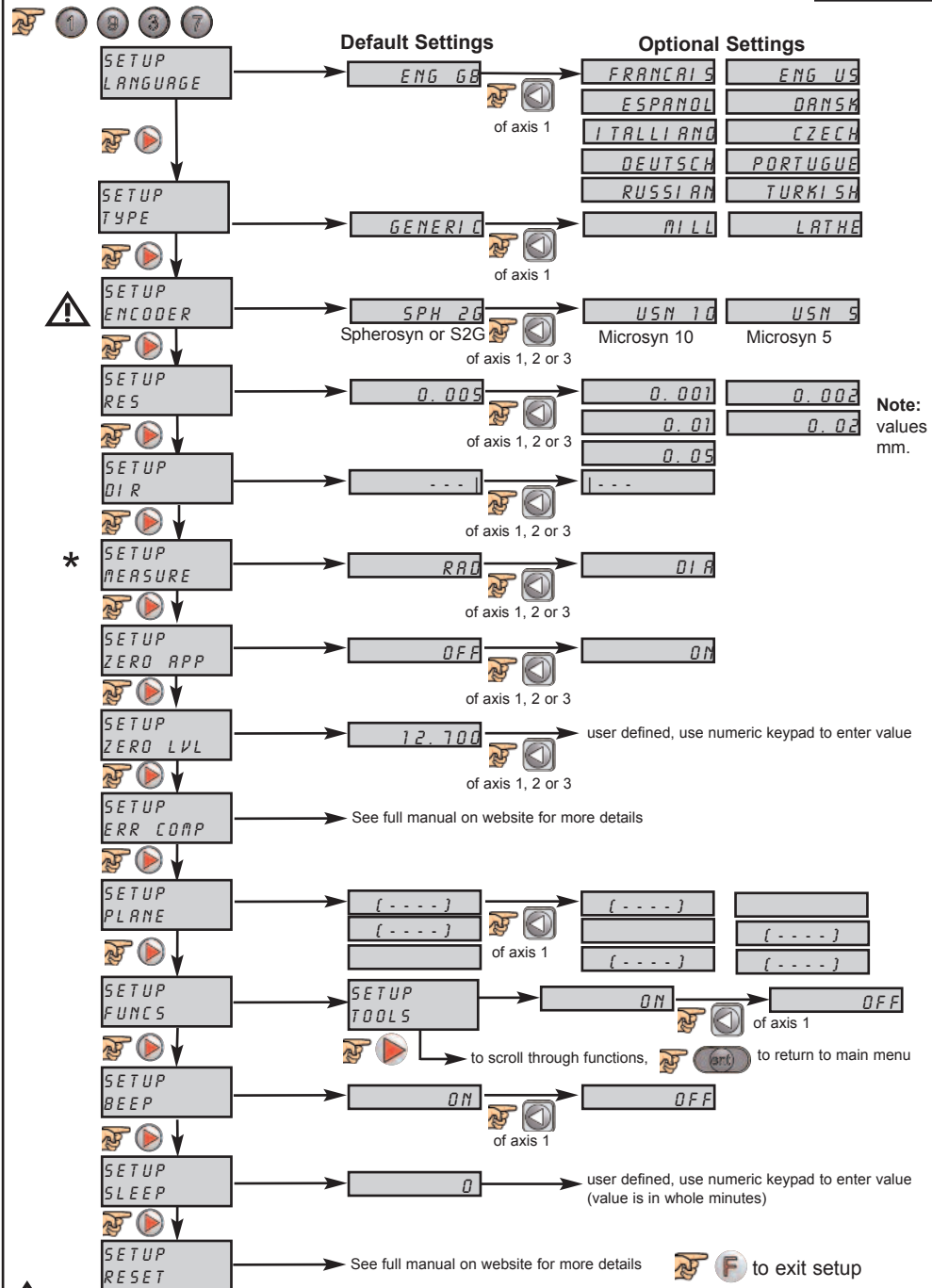
Preset an Axis

Ensure DP700 is in Set Mode =

Setting up the Unit

How to enter setup

, Until display shows **FUNCS SETUP** display shows **SETUP CODEP**



Must be set to match encoder's on the machine * Lathe version, X axis set to DIA as default