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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.

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

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)

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

### 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 DP700**  
15-24VDC ±10%

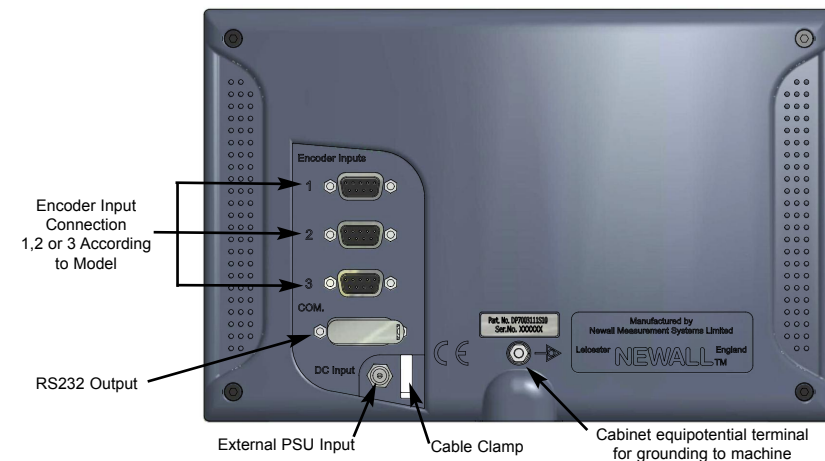
Conforms to Low Voltage Directive

### 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.

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 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 = -145.230

## ENTERING SETUP

Until display shows FUNCS SETUP display shows SETUP CODEP

# SETTING UP THE UNIT

