



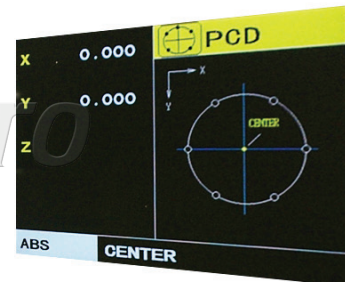
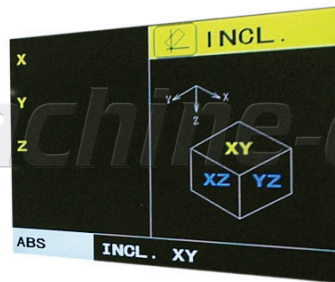
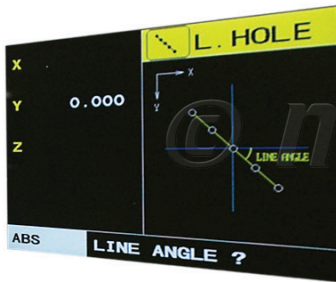
**ES-12 Display Console Technical**

Part No: DRO-ES-12-3LCD  
Doc V: 1.1



- 3 axis Colour LCD graphical machine tool display console
- Robust construction, with die-cast housing and metal front panel.
- Compatible with M-DRO optical glass & magnetic linear encoders with quadrature output.
- Functions include; PCD, line of holes, grid array, radius/diameter display, axis summing.

PRODUCT SCREEN SHOTS



**Specifications**

Specifications	
Number of axis	3
Display type	Colour LCD display
Case material	Die-cast aluminium
Keypad type	Membrane with PCB mounted tactile switch
Encoder types	Linear
Encoder input	5v TTL 90° quadrature phase difference
Storage temperature	-20°C ~ +55°C
Operating temperature	0°C ~ +45°C
Relative humidity	20% to 85% Non-condensing
Operating voltage	115/230 VAC (50/60 Hz)
Weight	Approx 6.7 Kg

**Easson ES-12 Display Console**

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## Functions

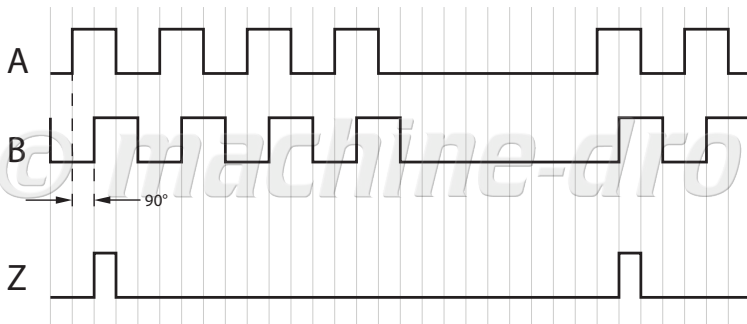
Generic Functions	
<b>mm/inch</b>	Metric/imperial display. Convert you're machine from metric to imperial and vice-versa at the touch of a button
<b>Absolute/incremental</b>	Display position to the user-defined datum (absolute) Display new position relative to the previous position (incremental)
<b>Additional zero datum memory</b>	Store up to 199 sub datum zero positions in the internal memory
<b>Centre find</b>	Calculates half the distance between two selected points
<b>Trigonometric calculator</b>	Standard functions including square root and trigonometric
<b>Linear Error compensation</b>	Enter a value to compensate for linear error.
Mill Functions	
<b>Pitch circle Diameter (PCD)</b>	For calculating the positions of equally spaced holes around a circle or part circle of a user-defined diameter
<b>Arc contouring</b>	Indicates the step by step machining of an arc or radius, without the need for a rotary table
<b>Line of holes</b>	Calculates the equally spaced position of user-defined number of holes along a straight line at any angle
Lathe Functions	
<b>Radius/Diameter display</b>	Radius mode will display physical travel. Diameter mode will display work piece diameter.
<b>Taper calculations</b>	Using two points as reference the console can calculate the taper angle



## Dimensions



## Output Signal



- Fitted with 9 pin female D type connector for encoder input.
- For encoder compatibility please check compatibility chart datasheet.

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
Signal	N/C	0v	N/C	Screen	N/C	A	+5v	B	Z

