



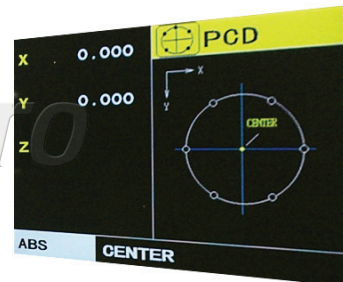
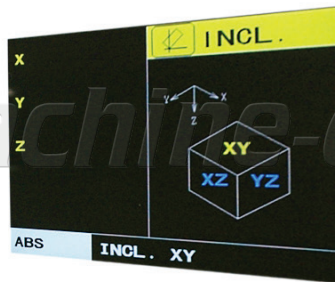
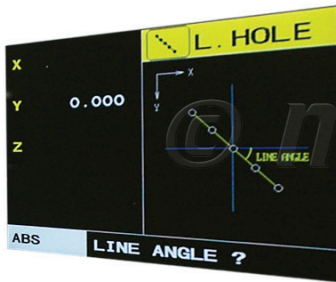
ES-12 Display Console Technical

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

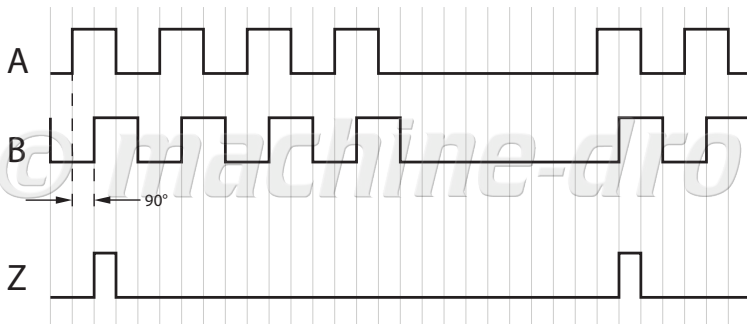
Generic Functions	
mm/inch	Metric/imperial display. Convert you're machine from metric to imperial and vice-versa at the touch of a button
Absolute/incremental	Display position to the user-defined datum (absolute) Display new position relative to the previous position (incremental)
Additional zero datum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

