

OPERATING INSTRUCTIONS FOR DIGIREAD 8803 COUNTER

Counter with Analog output for shared drive. Single quadrant output 0-10VDC. Relay output for axis selection, direction, drive enable and manual auto selection.
Operation of the counter in the manual mode is as for the standard DIGIREAD 8003P preset counter.

CNT3_802.cdr

Manual Data Input:


 MDI Mode

  

  

 


 Absolute Mode


 Incremental Mode

 

Press the M key on the keyboard to switch to MDI Mode. The LED above the M key will light up.

The dialog on the alpha numeric display will read "ENTER AXIS ". Press the required axis key and the LED on the right hand side of the selected axis will light up.

The dialog changes to "ENTER POSITION ". Enter the required position with the numerical keypad and press E on the keyboard to enter or C to cancel the position and then reenter.

The dialog changes to "ENTER ABS/INC ".

If the LED above the A key is lit the counter is in absolute mode. To change to incremental mode press the A key once and the LED above the A key should extinguish. The counter is now in the incremental mode.

If the counter is in the required mode press the E key to enter otherwise press the A key to change the mode.

The dialog changes to "YES START/NO STP ".

To start positioning select the feedrate on the feedrate potentiometer on the machine. Select the axis and direction as indicated by the LED indicators on the Operator control panel.

Press the YES (START) key on the keyboard. To abort the positioning press the NO (STOP) key on the keyboard.

If the programmed position has been reached or the NO (STOP) button has been pressed the dialog changes to "LEVER IN NEUTRAL ".

This is a safety procedure to make sure the machine will not carry on feeding with the selected feedrate after returning to the MANUAL mode.

Press the YES key on the keyboard after the Lever has been returned to the neutral position. The dialog changes to "ENTER AXIS ".

A new position can be programmed or the counter can return to manual mode by pressing the M key on the keyboard. The dialog changes to "LEVER IN NEUTRAL ". Press the YES key to return to MANUAL mode after returning the Lever to neutral.

If an incorrect Axis or direction has been selected the feed is stopped after a distance as selected with parameter P.24 in the machine parameters.

An error message "AXIS ERROR " is displayed. Press the C key on the keyboard to cancel the error. The dialog changes to "LEVER IN NEUTRAL ". Press the YES key after the Lever has been returned to neutral.