# ELGO ELECTRIC 

$\square$ SERIES Z-89

## 2/3 Axis Position Indicator

- Power down memory
- Selectable decimal point
- Multi edge function
- Pulse factor
- Reference value
- External reset or preset inputs
- Digital brightness control



## 1. Operation



Select To select Axis by pressing sequentially. LED of selected axis illuminates
F 1. To select desired parameter
2. To store edited value
$\rightarrow \quad$ To select the digit to be changed
$\uparrow \quad$ To increment the digit between 0 and 9
in/abs To change from absolute to incremental measurement.
Axis must be selected first
$\mathbf{F}+\rightarrow \quad$ To set Datum position of selected axis


## 2. Setting of Parameters



1. Select axis $X, Y$ or $Z$ by pressing Select
2. Press $\mathbf{F}, \rightarrow$, $\uparrow$, in/abs together for 3 seconds Second display shows P01 for parameter 01
3. Press F. First display shows value of the parameter (i.e. 101)
4. Press $\rightarrow$ and $\uparrow$ to select and to increment the digit
5. By pressing $\mathbf{F}$ new value will be stored and second display goes to next parameter (P03) Repeat steps 3. to 5. for each Parameter.
6. Press $\mathbf{F}, \rightarrow$, $\uparrow$, in/abs together for 3 seconds. Parameter mode is relocked and actual values appear
7. Press Select until no LED's are illuminated
8. Parameters (available for each axis)

Parameters without function will be skipped

| No. <br> P 01 | Function | Selection/ Adjustment | Default |
| :---: | :---: | :---: | :---: |
|  | $\mathrm{X} \times \mathrm{X}$ |  | 101 |
|  | $1 \times$ | 0 = Counting direction (up) |  |
|  |  | 1 = Counting direction (down) |  |
|  | $\square$ | $0 \quad=\mathrm{mm}$ Mode |  |
|  |  | 1 = Inch Mode |  |
|  |  | 0 = Axis not activated |  |
|  |  | 1 = Axis activated |  |
| P 03 | Decimal point | 0 to $3=0 / 0.0 / 0.00 / 0.000$ | 1 |
| P 04 | Memory | 0 = Power down memory ON | 0 |
|  |  | 1 = Power down memory OFF |  |
| P 05 | Buttons | X X | 00 |
|  |  | $0=\mathbf{F}$ and $\rightarrow$ for setting datum is activated <br> $1=\mathbf{F}$ and $\rightarrow$ for setting datum is not activated |  |
|  |  | 0 = incr/abs activated <br> 1 = incr/abs not activated |  |
| P 06 | Multi edge trigger | 0 = One edge multiplier | 0 |
|  |  | 1 = Two edge multiplier |  |
|  |  | 2 = Four edge multiplier |  |
| P 08 | Pulse multiplication factor | 0.0001...9.9999 | 1.0000 |
| P 09 | Datum value | 0.0 to 999999.9 | 0.0 |
| P 14 | Display brightness | $0 . .9=0=$ dark, $9=$ bright | 5 |
| P 15 | Function of input | 0 = Preset datum | 0 |
|  | ST $1(4,5,6)$ | 1 = Reset |  |
| P 16 | Configuration | 1 = Loading of default parameters <br> (all three axis will be defaulted again) | 0 |
| P 24 | Tool offset | activated by input/ST5 <br> (under development) | 0.0 |
| P 99 | Software Version | Displays the software number and version |  |

ELECTRIC

## 4. Connections



## 5. Technical Specifications

| Display | $: 7$ digits red, 14 mm high |
| :--- | :--- |
| Power supply | $: 24 \mathrm{VDC},+/-10 \%$ or $115 / 230 \mathrm{VAC}(+/-10 \%)$ |
| Consumption without measuring systems | $:$ max. 150 mA |
| Ambient Temperature | $: 0^{\circ} \ldots+50^{\circ} \mathrm{C}$ |
| Encoder supply | $: 24 \mathrm{VDC}$ |
| Counting frequency/Encoder | $: 20 \mathrm{KHz}$ |
| Input Signals (Connector ST1) | $:$ PNP active high |
| Encoder Inputs (Connectors ST2,3,4) | $: \mathrm{Black}$ metal panel housing |
| Enclosure | $: 85 \mathrm{~mm}=144 \times 144 \mathrm{~mm}$ |
| Dimensions | $: \mathrm{w} \times \mathrm{h}=138 \times 138 \mathrm{~mm}$ |
| Installation depth | $: \mathrm{IP} 43$ |

## 6. Type designation Z-89



## 7. Liability exclusion / Guarantee

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