![ELGO ELECTRONIC logo]

SERIES Z25

Single Axis Position Indicator (24 VDC)

- Position indicator with signal input for 1 axis
- Suitable for conventional rotary and linear encoder and for incremental and absolute ELGO measuring systems
- Adjustable reference value, tool offset and saw blade width
- LCD display with 7 digits, sign and measurement unit
- 2 programmable digital control inputs
- Power down memory

Z25-000 - Single Axis Position Indicator with 24 VDC power supply

General:

The compact Z25 position indicator has a 10 mm high LCD display which allows a comfortable and accurate reading actual positions. Commands like Reset or Preset to an arbitrary reference value can be done either via the dustproof front keypad or external signals to 0 or to an arbitrary reference value.

The unit evaluates incremental square wave signals from conventional rotary encoders as well as from the ELGO magnetic linear encoder types LMIX, EMIX, MIX or PMIX. Further the unit can be modulated for the ELGO absolute linear encoder EMAX (by RS422).

The practical snap-in mounting allows an easy and quick installation into the front panel cut out.

Applications: The miniature position indicator can be used for instant presentation of measurements, for example back stop adjustment, length and angle or speed measurement.

Features:

- 7-digit LCD-display
- Degree display for angular measurement
- 2 external inputs
- Easy snap in mounting
- Tool offset function
- Switchover between relative and absolute measurement
- Power down memory
- Adjustable reference value
- Adjustable pulse factor
- 1- ,2- 4-edge triggering

ELGO measuring systems compatible to Z25:

The Z25 signal input is compatible with a several magnetic incremental measuring systems from ELGO or can alternatively be adapted to the EMAX absolute measuring system (see type designation).

Incremental Linear Encoders:

ELGO LMIX/EMIX

ELGO EMIX23/LMIX22

Absolute Linear Encoder:

ELGO PMIX

ELGO EMAX

Z25-000 - Single Axis Position Indicator with 24 VDC power supply

Technical specifications:

Mechanical Data

Housing	norm panel housing
Housing material	ABS plastic, black
Housing dimensions (W x H)	72 x 48 mm (without seal) 74 x 50 mm (wit seal)
Panel cut out (W x H)	68 x 45 mm
Keyboard	foil with short stroke keys
Installation depth	27 mm (without connectors)

Electrical Data

Display	7 digit LCD (digit height: 14 mm) with sign and measurement units
Perspective	12 o'clock
Measurement units	mm, m, Inch, RPM or °
Accuracy	± 1 digit
Power supply voltage	24 VDC ± 20 %
Current consumption	25 mA (without measuring system)
Encoder supply	24 VDC
Load by encoder / measuring system	max. 300 mA
Signal inputs	HTL, TTL or RS422 (order designation)
Signal channels	A,B resp. A, A', B, B', Z, Z' or RxD+, RxD-
Maximum input frequency	80 kHz
External inputs	2 control inputs (24 V, PNP)
Connections	pluggable screw terminals and 9 pin (female) D-SUB (only RS422, TTL)
Power down memory	FRAM

Environmental conditions

Operating temperature	0 … +50° C
Storage temperature	-20 … +80° C
Humidity	max. 80 %, non-condensing
Protection class (front)	IP54 (installed state, with seal) IP43 (installed state, without seal)
Protection class (rear)	IP40

Order reference:

For orders, please use the following order code:

Z25 - _ _ _ - _ _ _ - _
     A A A - B B B - C

SN-Number

A
000 = Standard version
001 = 1. customized version
002 = 2. customized version

Power supply

B 024 = 24 VDC

Signal Input

C
0 = A/B, 24 VDC encoder supply and 24 V-HTL levels (PNP)
2 = A/A', B/B', Z/Z', 24 VDC encoder supply and 5 V-TTL levels (PNP)
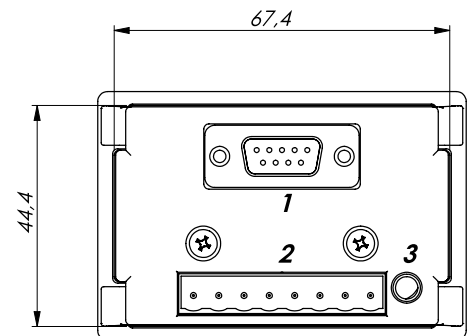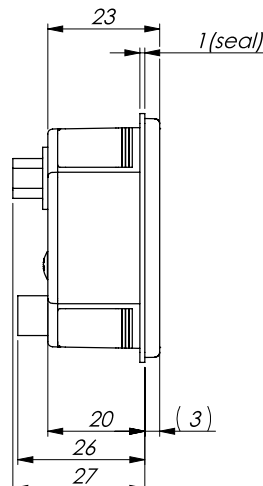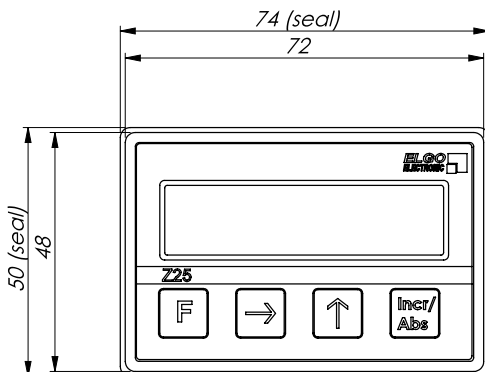5 = ELGO EMAX absolute linear encoder (RS422)

For example:

Z25 - 0 0 0 - 0 2 4 - 0
     A A A - B B B - C

Z25 ELGO Standard with 24 VDC and HTL signal input (A, B).

Your order:

Z25 - _ _ _ - _ _ _ - _
     A A A - B B B - C

Dimensions:

Accessories:

Order Designation	Description
NG24.0	External 24 VDC power pack (primary 115/230 VAC) as power supply for Z25