

Series P9511 / P9521



Compact Single Axis Controllers

P9511/P9521 Compact Single Axis Controller

General: This unit is a very compact, simply programmable single axis controller.

The output performance (potential free changeover relays) allows positioning operations with up to three different speeds. An extensive pool of registers and parameters are already integrated in the standard version e.g.: Spindle compensation, tolerance window, correction stop, adjustable retract functions, datum value, saw blade/tool correction and more. To modulate the unit to the used measuring system, there are a programmable pulse scaling factor, a multi edge counter and also a selectable decimal point integrated..

The P9521 is identical with P9511, but has two supplemental functions:

1. Manual operation mode (inching mode)
2. Program memory up to 10 lines

Product features:

- Compact design
- Extensive parameter menu
- Integrated power pack 115/230 VAC supply
- Potential free, Changeover relay outputs
- Program memory (only P9521)
- Manual operation mode (only P9521)



P9521



Connections:
(plugable, nontension screwing terminal)

Many different incremental measuring systems can be connected to P9511/21.

A modulation to the measuring system can be ordered as desired (see the Type designation „Measuring system/Input signals“).



Rotary Encoder



ELGO LMIX / EMIX2



ELGO PMIX



Magnetic sensor MS



ELGO FMIX



ELGO LMIX / EMIX1 und 3

Technical specifications:

Power supply	230 VAC/50 Hz or 115 VAC/60 Hz +/- 10% optional 24 VDC +/- 10%
Consumption	450 mA
Encoder supply	24 VDC
Input signals	PNP, (optional NPN) min. 200 ms Pulse timer
Input Current	Max. 10 mA per Pin
Counting frequency	10 KHz (more on request)
Output signals	Potential free Changeovers 210V/2A
Power down memory	NOV - Ram (min. 10 years service Life)
Connections	Plugable, strain relieved screw terminals
Display	7 digit LED, Height 8 mm
Hardware	16 Bit micro controller, with 32 Kbytes Eprom and 16 Kbytes RAM
Housing	Black aluminium panel housing
Dimensions of housing	H x W x D = 92 x 66 x 89
Cut of panel	H x W = 93 x 67 mm
Operation temperature	0... 50°C



Order reference:

For orders, please use the following order code:

P9511
P9521 - $\bar{A} \bar{A} \bar{A} - \bar{B} \bar{B} \bar{B} - \bar{C} - \bar{D} \bar{D}$

P9511 without program memory

P9521 with program memory

A Version

000 ELGO standard

001 First special version

B Supply

024 24 V DC

115 115 V AC

230 230 V AC

C Signal input

0 A, B 24V / 24V / 20kHz

1 A, B, 0 24V / 24V / 20kHz

M Adaptation counting frequency ELGO measuring systems MIX, LMIX, EMIX

N A, B, 0 Adaptation counting frequency ELGO measuring systems MIX, LMIX, EMIX

D Options

-EN Inputs incl. zero pulse neg. Logic (NPN)

For Example:

P9521

P9511 - $\underline{0} \underline{0} \underline{0} - \underline{0} \underline{2} \underline{4} - \underline{0} - \underline{EN} \underline{\quad}$
 $A \bar{A} \bar{A} - B \bar{B} \bar{B} - C - D \bar{D} \bar{D}$

P9511 ELGO standard with 24 V DC supply, with 24 V supply, 24 V Pegel and 20 kHz input frequency, with Inputs incl. Zero pulse neg. Logic (NPN).

Your order:

P9511

P9521 - $\bar{A} \bar{A} \bar{A} - \bar{B} \bar{B} \bar{B} - \bar{C} - \bar{D} \bar{D}$

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Measure - Control - Position

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