

P9511/P9521 - Compact single axis Controllers

- 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)

P9511:

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.

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

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

P9521



Anschlüsse (steckbare, zugentlastete Schraubklemmen)



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 encoders ELGO LMIX/EMIX2 ELGO PMIX Magnetic sensor MS ELGO FMIX ELGO LMIX/EMIX1 and 3

P9511/P9521 - Compact single axis Controllers

Type designation

P 95 X1 - 000 - 230 - 0 - XXXXXXXX

P95 _____
Compact position controller

Series _____
P9521 with program memory and manual mode
P9511 without program memory and manual mode

Version _____
000 = Standard
001 = First special version

Supply _____
024 = 24 VDC
115 = 115 VAC
230 = 230 VAC

Measuring system /Input signals _____
0 = A, B - 24 V/24 V 20 KHz PNP
1 = A, B, Z - 24 V/24 V 20 KHz PNP
*M = A, B - Modulation to ELGO-Measuring systems PMIX, LMIX, EMIX, FMIX, MIX
*N = A, B, Z - Modulation to ELGO-Measuring systems PMIX, LMIX, EMIX, FMIX, MIX

Options _____
EN = Negative logic NPN (all Inputs inclusive index pulse)

*in preparation

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 out

Input signals: PNP, (Optional NPN) min. 200 ms pulse time
max. 10 mA per Pin

Input current: 10 mA (more on request)

Counting frequency: 10 KHz (more on request)

Output signals: potential free Changeovers 210 V/ 2 A
NOV-Ram (service life min. 10 years)

Power down memory: plugable, strain relieved screw terminals

Connections: 7 digit LED, Height 8 mm

Displays: 16 Bit Micro controller
with 32 Kbytes Eprom and 16 Kbytes RAM

Hardware: black aluminium panel housing

Housing: H x W x D = 92 x 66 x 89 mm

Dimensions of housing: H x W = 93 x 67 mm

Cut out panel: 0...50 °C

Operation temperature: 0...50 °C



**P9511 and P9521
series**

**Compact
single axis
Position Controllers**

