- Customised software solutions
- Easy operator surface
- Menu text free programmable
- In– and outputs free configurable
- Program memory (up to 400 lines possible)
- Very good readable monochrome screen display
- Register setting and transmission via MS-Excel possible
- Automatic interpolation of material or tool parameters
- Statistic registers possible (e.g. operating hour meter)
- Analog- (PID), relays- and digital (24V) outputs available
- Extensive self test functions
- Access to the menu levels via passwords
- Display of customers logo possible (Bitmap)

P9724
1...4 axes controller

The compact multi axes controller P9724 realizes in it's price range a never-reached-before functional coverage. The software is made-to-measure to the particular desired applications (e. g. metal shears, miller machine etc.) and fulfils criteria's and customer wishes, based on many years of experience. The requirements can be realized with the hardware as well as the software of the controller.

The basic equipment of the controller is very flat in its installation depth (60 mm) and is powered with 24 VDC industry standard voltage. The optional available 115 or 230 VAC version with integrated power pack is 80 mm deep.
A serial interface (RS232) allows the parameter-set up and the selection of data via MS-Excel tables (an ELGO macro file, created specifically for the application, is available). On a blue background lightened, well readably monochrome screen, the actual value and the target value of all four axes as well as all other values and parameters are displayed. The respective company logo can be faded in, after "power on" or after some time of inactivity.
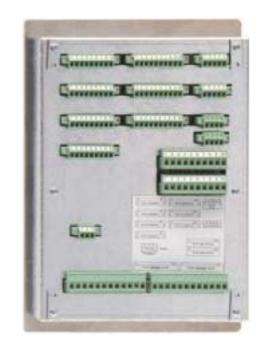All inputs and outputs are freely definable and can be assigned to any pin numbers at the connector terminals.
The hit: alternative to the manual parameter input the integrated teach function allows to store experience values in MS Excel tables (specific parameter as data of materials or tools). These are at any time recallable and calculate automatically the optimal parameters for the material resp. tool to be processed currently (by interpolation). It is also possible to define a second dialog language.
The operator menu consists of menu levels authorized by passwords and is structured very comprehensible. Extensive self test functions and service parameters offer the highest possible support during commissioning. All inputs and outputs can be simulated or tested hereby.
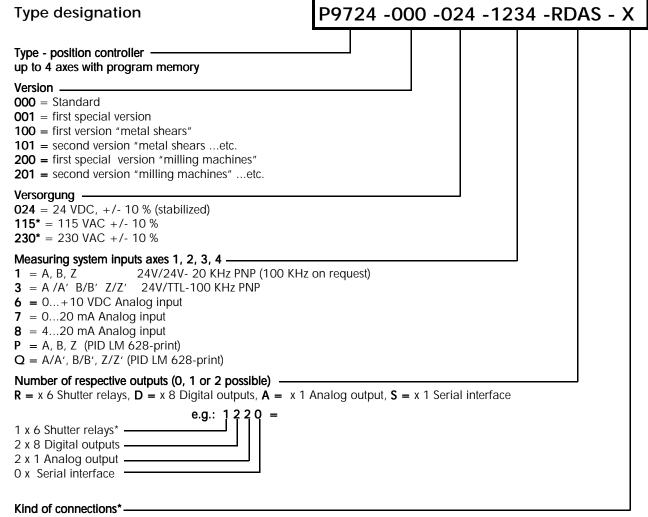
Front panel (mounted state)

Rear of the unit (connections)

Type designation

P9724 -000 -024 -1234 -RDAS - X

Type - position controller
up to 4 axes with program memory

Version
000 = Standard
001 = first special version
100 = first version "metal shears"
101 = second version "metal shears ...etc.
200 = first special version "milling machines"
201 = second version "milling machines" ...etc.

Versorgung
024 = 24 VDC, +/- 10 % (stabilized)
115* = 115 VAC +/- 10 %
230* = 230 VAC +/- 10 %

Measuring system inputs axes 1, 2, 3, 4
1 = A, B, Z   24V/24V- 20 KHz PNP (100 KHz on request)
3 = A /A' B/B' Z/Z'   24V/TTL-100 KHz PNP
6 = 0...+10 VDC Analog input
7 = 0...20 mA Analog input
8 = 4...20 mA Analog input
P = A, B, Z (PID LM 628-print)
Q = A/A', B/B', Z/Z' (PID LM 628-print)

Number of respective outputs (0, 1 or 2 possible)
R = x 6 Shutter relays, **D =** x 8 Digital outputs, **A =** x 1 Analog output, **S =** x 1 Serial interface

e.g.: 1 2 2 0 =

1 x 6 Shutter relays*
2 x 8 Digital outputs
2 x 1 Analog output
0 x Serial interface

Kind of connections*
P = plugable, strain relieved Phoenix screw terminals
D = D-SUB Connector, strain relieved with soldered joints

*) Please note: The versions with AC-supply or Relay-outputs aren't deliverable in the screw terminal variant!

Technical specifications

Function	Specification	Standard	Option
Supply (DC)	+24 VDC stabilized (+/- 10 %)	X	
Supply (AC)	115/230 VAC (+/- 10 %) integrated power pack (in D-SUB version not possible)		X
Measuring system incremental/Axis	Channels A,B und Z (24 V-PNP)	X	
	Channels A/A', B/B', Z/Z' as 5V-TTL		X
Measuring system analog/axis	0...10V or 0 (4)...20 mA (10 Bit D/A converter)	X	
Instruction inputs	3 x 8 digital inputs (24 V/PNP)	X	
	3 x 8 digital inputs as NPN		X
Output signals	2 x 8 digital outputs (24 V/PNP)	X	
	2 x 6 shutter-relays		X
	2 x PID analog output (0...10 V) with an additional digital output "drive enable"	X	
Serial interface	RS-232	X	
	RS-485/2-wires		X
Connections:	D-SUB strain relieved	X	
	Phoenix plugable screw terminals		X
Operation temperature	0...50 °C		
Housing	Zinced steel panel	X	
Dimensions of front panel	w x h = 176 x 250 mm		
Cut out panel	w x h = 168 x 224 mm		
Install depth inclusive connectors	24 VDC version: approx 60 mm	X	
	115/230 VAC: ca. 80 mm		X

ELGO ELECTRIC

P9724

Hand
Single
Programm
Prog. Eingabe
Statistik

Menü

P9724 series

Innovative
Compact Position Controller
up to 4 axes

ELGO ELECTRIC