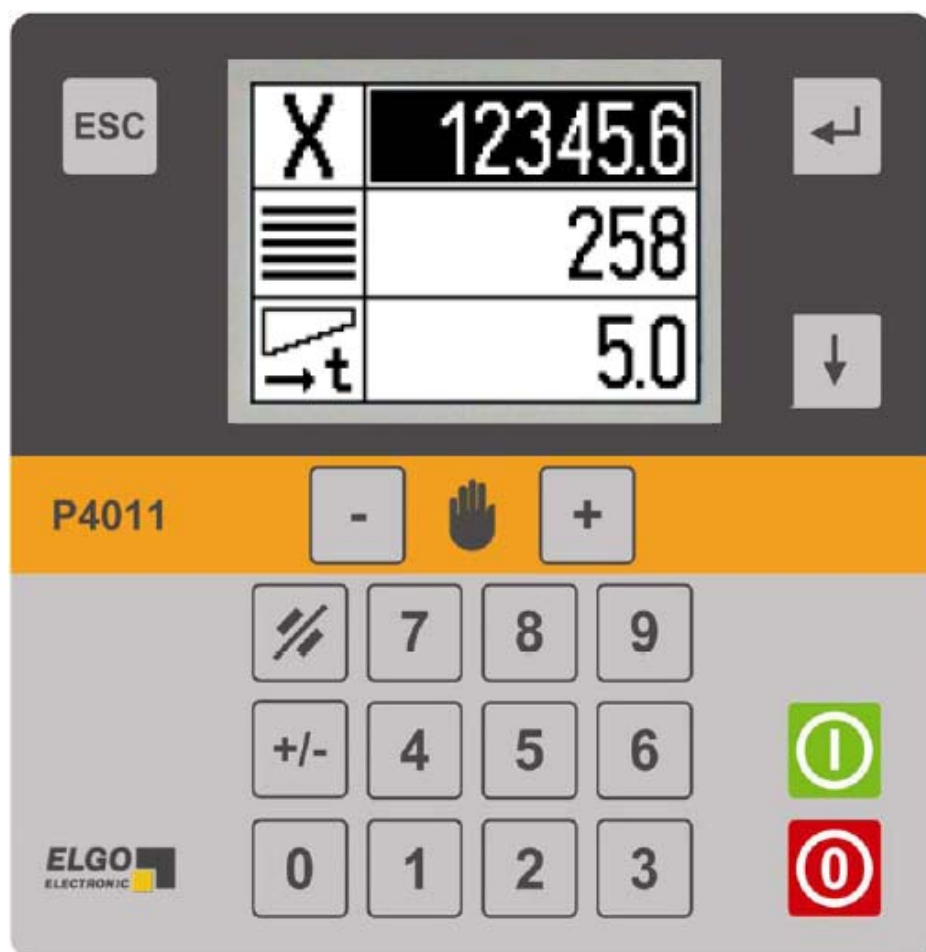


P4011



Single Position Controller

P4011 Single Position Controller

General: P4011 single axis position controller is designed for applications where simple positioning is required. The main advantage of this controller is the easy and fast entry of required positions and quantities. Actual value, target value and quantity are shown in the display. Via the buttons, the target value and the quantity can be entered and positioning can be started. For positioning, switch-off positioning output signals are available.

P4011 is supplied with 24 VDC.

Product features:

- Simple operation
- Diagnostic possibilities

Applications

- Woodworking machines
 - Band saws
 - Grinding machines
 - Shears
 - Back gauge
 - Press brakes
- ... and many other applications

Standard functions

- Adjustable positioning output signals
- Display of target and actual position
- Absolute or incremental positioning
- Referencing and reference run
- mm/ inch switch
- Pulse multiplication factor and edge detection
- Tolerance windows
- Software end position monitoring
- Loop travel
- Offset calculation
- Measuring system monitoring
- Quantity counter
- Manual movement
- 20 offset values
- Retract function
- Non-volatile actual position memory

Technical specifications:

Display	LCD point matrix with background lighting
Supply voltage	24 VDC, max. 200 mA with unloaded outputs
Encoder supply	24 VCD, max. 130 mA
Connection technology	Plug connector
System accuracy	+/- 1 Increment
Actual value memory	10 years (EE-Prom)
Counting frequency	100 KHz
Operating temperature	0... +50 °C
Storage temperature	0... +70 °C
Humidity	not condensing, max. 80 %
Housing	Aluminium, frame construction
Housing dimensions	144 x 144 mm
Cut-out measurements	138 x 138 mm
Installation depth	40 mm 75 mm with connector
Keyboard	Short-stroke buttons
Protection class	IP 43 (in the installation)
Inputs	
Measuring systems	1 measuring system (standard)
Outputs signals static	PNP (Option - EN:NPN), 300 ms minimum Pulse time/ PIN, max. 10 mA/ input current/ Pin Start, Stop, Reference, chains minus chains plus, departure, fixed position, number of items adding/ subtracting, end position minus, end position plus, System RESET
Outputs	
Analog	Push-pull stage, limited short-circuit protection, Max. 10 mA output current, integrated flyback diodes

Order reference:

When ordering you use please the following order code:

P4011 - 001 - 024 - 3X - XX - CXXX
A A A - B B B - C C - D D - E E E E

A Version

001 First customer version

B Power supply

024 24 VDC (+/- 20%)

C Signal inputs

3 A, A', B, B', Z, Z' 5 VDC supply measuring system/ 5V-TTL-100KHz

D Signal outputs

X axis is not available

E Options

C Screwing clamps

X further options are not available

For example:

P 4011 - 001 - 024 - 3X - XX - CXXX
A A A - B B B - C C - D D - E E E E

P40 standard with 24VDC supply, 1 encoder input with A, A', B, B', Z, Z' signals, connection with screwing clamps.

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