

Ezturn® software



Functionality of the Ezturn® software

General description of the Ezturn® software:

Ezturn is a programming tool for all of Kübler's multi-turn encoders of the latest generation. These encoders are basically all programmable. The encoders are pre-set ex works with the default values given in the data sheet and the order key. The purchase of a programming set allows

customers to program any encoder. The customer can thus tailor the encoder's default settings to specific applications or use the software for diagnoses or as an information tool, for instance to make settings for a machine. All of these configurations can be saved. The software is compatible upwards.

- Setting of the communication parameters
- RS232 interface encoder/PC
- Setting of a drive factor by means of the modification of the resolution per revolution, the number of revolutions and the total resolution
- Programming of the direction of rotation and the code type
- Setting of a preset/electronic zero point
- Setting of diagnostics functions
- Setting of the outputs A1 ... A4
 - Limit switch values, max. 2
 - Alarm- and status information
 - Battery monitoring
- Limiting max. number of bits to interface with PLCs
- Diagnostics and information for the setting-up operation
- Data transmission from the PC to the encoder and inversely, also during operation
- Print-out of the current data and the set parameters
- Convenient position output with the current set data
- Output of the software/hardware version number
- Terminal operation for direct instructions via the keyboard
- Diagnostics of the encoder connected

Scope of delivery:

Interface converter
 Connection cable from the interface converter to the encoder
 90 ... 250 V AC power supply and CD-ROM
 Order-code: 8.0010.9000.0004

SSI-Display Type 570



Your benefit

- AC and DC supply voltage in one unit
- Master- or slave mode
- plug-in screw terminals
- SSI-clock frequency from 100 Hz up to 1 MHz
- Display and outputs may be adjusted using scaling- and offset-features
- Large 15 mm high LED-display, 6 digit, with adjustable brightness

Product features

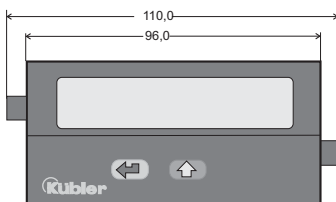
- qualified for SSI-protocols up to 25 Bit
- Version with 2 optocoupler outputs to work as liwith or preset values; also with trailsignal programmable.
- Version with scaleable analogue output, resolution 14 Bit, 0 ...10 V, -10 ... +10 V, 0 ... 20 mA or 4 ... 20mA
- Gray- or binary-code
- 48 x 96mm DIN-housing, IP 65

Technical data:

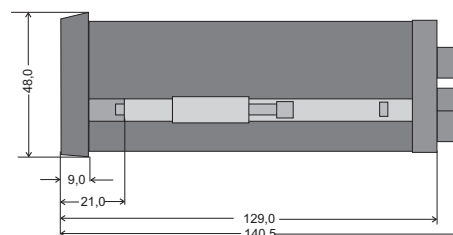
Supply voltage:	17 ... 30 V DC
Display:	15 mm high LED-display, 6 digits
Current consumption [DC]:	17 V: 190 mA; 24 V: 150 mA; 30 V: 120 mA
Power consumption [AC]:	7,5 VA
Sensor power supply:	24 V DC ± 15%, 120 mA
Inputs:	
SSI-input frequency range:	100 Hz ... 1 MHz
Input reset:	PNP or NPN, programmable 5,1 mA 24 V DC/ R _i = 4,7 kOhm
Input level:	Low: 0 ... 2 V High: 9 ... 35 V
Reset time:	min. 5 ms

Outputs:	
Scaleable analogue output:	0 ... 10 V, -10 ... +10 V or 0 ... 20 mA, 4 ... 20mA 0.570.011.E90
Resolution:	14 Bit + Sign
Accuracy:	0,1 %
Optocoupler output:	5 ... 35 V DC/150 mA 0.570.012.E00
Interface:	RS232 or RS485 (ISO 1745) 0.570.012.E05
Operating temperature:	0 ... +45 °C
Storage temperature:	-25 ... +70 °C
Protection class:	IP 65 (front)
EMC:	according to EC EMC directive 89/36/EWG
Interference emmissions:	EN 50081-2/EN 55011 class B
Interference resistance:	EN 6100-6-2
Weight:	approx. 200 g

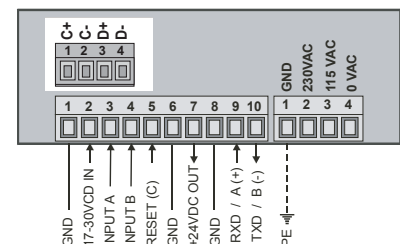
Dimensions:



Panel cut out: 92 x 45mm

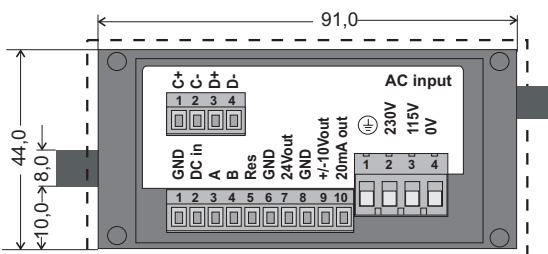


Display with serial interface 0.570.012.E05

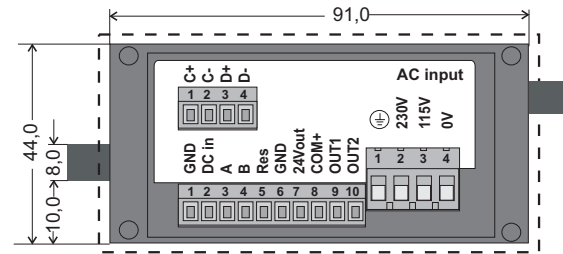


Wiring diagramm:

Display with analogue output 0.570.012.E90



Display with 2 optocoupler outputs 0.570.011.E00



Do not connect A, B; C+, C- = clock signal SSI; D+, D- = data signal SSI

Delivery specifications:

- SSI-Display
- Seal
- Mounting kit
- plug-in screw terminals
- Manual german/englisch

Order code:

- Display with 2 outputs: 0.570.011.E00
- Display with analogue outputs: 0.570.012.E90
- Display with serial interface: 0.570.012.E05

Display Type 571



Your benefit

- AC and DC supply voltage in one unit
- Measuring function can be programmed for RPM, speed (from elapsed time), machine cycle time, throughput and baking time (time interval), as well as numerous count and stop-watch functions
- Scalable display, programmed via 2 keys
- Large 15 mm high LED-display, 6 digit, with adjustable brightness

Product features

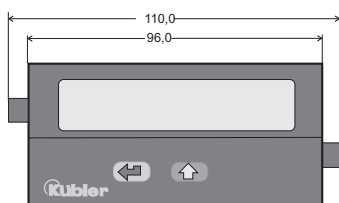
- Fast count input, works with our LIMES measuring system (100KHz)
- Version with 2 optocoupler outputs for alarms
- Version with serial interface RS232/485 for importing and exporting data
- 48 x 96mm DIN housing, IP65

Technical data:

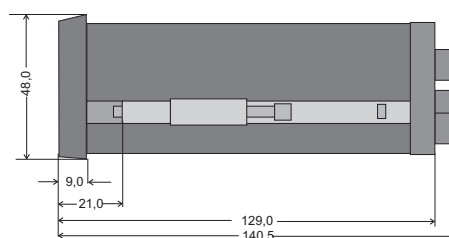
Supply voltage :	16 ... 35 V DC (Normal voltage: 24 V DC) 115/230 V AC \pm 12,5 %
Display:	15 mm high LED-display, 6 digits
Current consumption [DC]:	18 V: 120 mA; 24 V: 95 mA; 30 V: 80 mA
Power consumption [AC]:	7,5 VA
Sensor power supply :	24 V DC \pm 15%, 120 mA (at AC and DC supply)
Inputs:	3 Inputs (PNP, NPN and Namur) A, B = Impulse, C = Reset
Max. input frequency:	A, B = 25 kHz (100 kHz at count); C = 1 kHz
Accuracy:	\pm 1 ppm \pm 1 digit
Input level HTL:	Low: 0 ... 3,5 V High: 9 ... 35 V

Outputs:	
Analog-Output: (0.571.012.E90)	0 ... +10 V, +10 ... -10 V and 0 ... 20 mA, 4 ... 20mA
Resolution:	14 Bit + Sign
Accuracy:	0,1 %
Optocoupler-Output: (0.571.011.E00)	5 ... 35 V DC/150 mA
Interface (0.571.012.E05)	RS232 and RS485 acc. to ISO 1745 Drivecom Protocol
Operating temperature:	0 ... +45 °C
Storage temperature:	-25 ... +70 °C
Protection	IP 65 (front)
EMV:	according to EC EMC directive 89/36/EWG
Interference emissions:	EN 50081-2/EN 55011 Class B
Interference resistance:	EN 6100-6-2
Weight:	appr. 200 g

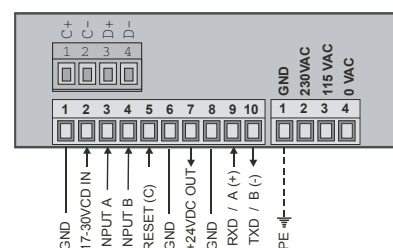
Dimensions:



Panel cut out: 91 x 44mm

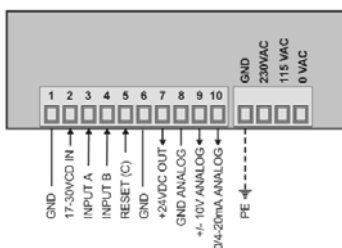


Display with serial Interface (0.571.012.E05)

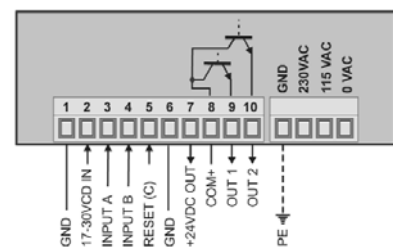


Terminal assignment:

Display with analog output (0.571.012.E90)



Display with 2 Optocoupler outputs (0.571.011.E00)



Includes:

- Display 571
- Seal
- Mounting kit
- plug-in screw terminals
- Manual german/english

Order data:

- Display with 2 outputs Order code: 0.571.011.E00
- Display with analog outputs Order code: 0.571.012.E90
- Display with ser. Interface Order code: 0.571.012.E05