

## Programmable Absolute Encoder Display ADP-010

Eglshalde 6  
 D-78647 Trossingen  
 Tel. +49 - (0) 74 25 / 228 - 0  
 Fax +49 - (0) 74 25 / 228 - 33  
 Germany



- **Article-No.: 485-00230**
- **6 decades display**
- **Programming of encoder data**
- **Scaling-factor**
- **Offset value**
- **Hold function**
- **MAX/MIN value detection**
- **Auto-Reset of MAX/MIN value**
- **Display of error messages**

### General characteristic data

<b>SSI signal input</b> .....	single-turn or multi-turn
Resolution .....	10...25 bit
Code .....	binary or gray
Clock output .....	driver RS422 / RS485
Clock input .....	receiver RS422 / RS485
Data input .....	receiver RS422 / RS485
<b>Master mode</b>	
Clock frequency .....	internal, 100 kHz or 200 kHz
Conversion rate .....	approximate 28 values/second
<b>Slave mode</b>	
Clock frequency .....	external, max. 125 kHz
Break of clock brushes .....	min. 500 µs
Conversion rate .....	approximate 28 values/second
<b>Digital user inputs</b> .....	2, programmable function / 10 kΩ to +5V
Logic .....	NPN, max. 30V
Signal level .....	L-level < 0,4V / H-level > 3,5V
<b>Alarm outputs</b> .....	2 relays (programmable as opened contact or closed contact)
Signalling .....	2 LEDs at the front
Switch voltage .....	250V AC / 250V DC
Switch current .....	5A AC / 5A DC
Switch power .....	750 VA / 100 W
<b>Option analog output</b> .....	resolution 16 bit
Accuracy .....	± 0,2% of final value
Voltage .....	0/2 – 10V, max. 10mA
Current .....	0/4 – 20mA, max. 500Ω
Isolation voltage .....	3 kV / 1 min
<b>Option interfaces</b> .....	RS 485, RS 422, TTY
Protocol .....	DIN 66 019 / ISO 1745
Baud rates .....	300, 1200, 2400, 4800, 9600, 19200
Data format .....	1 Start, 8 Data, N-Parity, 1 Stop
Isolation voltage .....	1, 6 kV / 1 min
<b>Power supply AC</b> .....	95...250 V AC
Power consumption .....	approx. 9 VA
Isolation voltage .....	2, 5 kV / 1 min
<b>Option power supply DC</b> .....	18...36V DC
Power consumption .....	approx. 70mA
Isolation voltage .....	500V / 1 min
<b>Encoder power supply (only AC version)</b> .....	24 V DC ±10%, max. 125 mA
Isolation voltage .....	500 V / 1 min

### Environmental Data

Operating temperature .....	0...50°C
Storage temperature.....	- 20...+70°C
Humidity.....	< 80%, not-condensing
Protection .....	protection class II
Front protection .....	Front IP 54, connectors IP 20
Field of application .....	class 2, over-voltage protection II
CE .....	in conform with 89/336/EWG, NSR 73/23/EWG

### Mechanical Data

<b>Display</b> .....	6-decades, 14 mm, red decimal point programmable preliminary zero suppression - sign at negative values
<b>Operation, keyboard design</b> .....	front membrane with push buttons
<b>Case</b> .....	switch board housing DIN 43 700
Dimensions (W x H x D).....	96 x 48 x 141 mm
Mounting depth.....	148 mm incl. screw terminal
Mounting.....	switch board mounting
<b>Weight</b> .....	ca. 400 g
<b>Connection</b> .....	plug-in screw terminal

### Dimensional Drawing

