

Programmable Absolute Encoder Display ADP-010



- **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

SSI signal input	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
Master mode	
Clock frequency	internal, 100 kHz or 200 kHz
Conversion rate	approximate 28 values/second
Slave mode	
Clock frequency	external, max. 125 kHz
Break of clock brushes	min. 500 µs
Conversion rate	approximate 28 values/second
Digital user inputs	2, programmable function / 10 kΩ to +5V
Logic	NPN, max. 30V
Signal level	L-level < 0,4V / H-level > 3,5V
Alarm outputs	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
Option analog output	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
Option interfaces	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
Power supply DC	18...36V DC
Power consumption	approx. 70mA
Isolation voltage	500V / 1 min
Encoder power supply (only AC version)	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

Display	6-decades, 14 mm, red decimal point programmable preliminary zero suppression - sign at negative values
Operation, keyboard design	front membrane with push buttons
Case	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
Weight	ca. 400 g
Connection	plug-in screw terminal

Dimensional Drawing

