

# DEIX13567, DEIX13568, DEIX13569, DEIX13570

**SSI Indicators for Use with  
Single-Turn or Multi-Turn SSI Encoders**

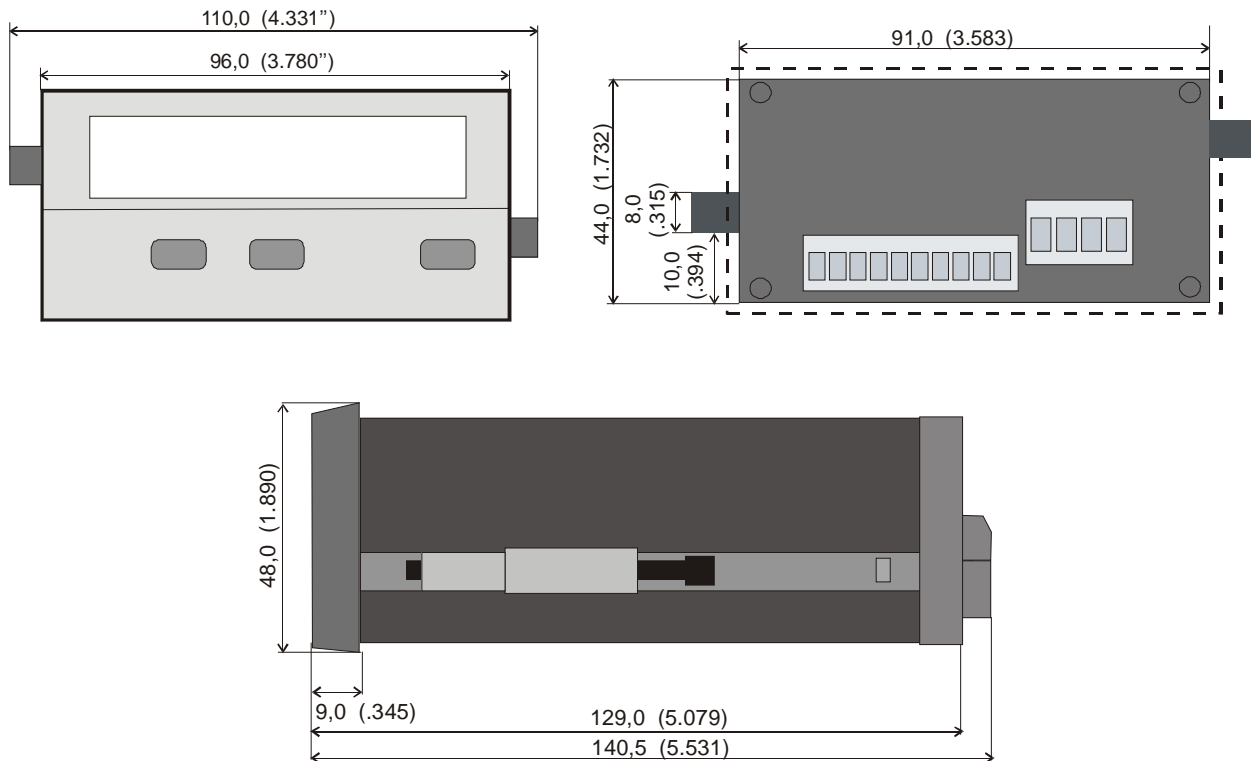


DEIX13567:	SSI display unit only
DEIX13568:	SSI display unit with analogue output
DEIX13569:	SSI display unit with two presets and outputs
DEIX13570:	SSI display unit with serial interface RS232 and RS485

- Clear LED display (15 mm / 0.59" size) with adjustable brightness
- Master- or Slave operation with clock rates up to 1 MHz
- Suitable for all SSI formats from 8 to 32 bits
- Numerous supplementary functions like Linearization, Bit Blanking etc.

# 1. Technical Appendix

## 1.1. Dimensions



**Panel cut out: 91 x 44 mm (3.583 x 1.732")**

## 1.2. Technical Specifications

Supply voltage AC	: 115/230 V (+/- 12.5 %)
Supply voltage DC	: 24 V (17 – 30 V)
Consumption (without sensor)	: 17 V: 190 mA, 24 V: 150 mA, 30 V: 120 mA
AC Power	: 7.5 VA
Aux. output for encoder	: 24 VDC, +/- 15%, 120 mA (with AC and DC supply)
Control Inputs	: 3 inputs, A, B, C (PNP/NPN/Namur)
Input currents	: 5.1 mA / 24 V (R <sub>i</sub> = 4,7 kOhm)
Input level HTL	: Low: 0 ... 2 V, High: 9 ... 35 V
SSI input frequency range	: 100 Hz – 1 MHz
Min. pulse duration for Reset	: 5 msec
Analogue output (DEIX13568)	: 0/4 ... 20 mA (max. 300 ohms), 0...+/-10 V (max. 2 mA)
Resolution	: 14 Bits + Sign
Accuracy	: 0.1%
Serial interface (DEIX13570)	: RS 232 / RS 485, 600 to 38 400 bauds
Ambient temperature	: Operation: 0° - 45°C (32 – 113°F) Storage: -25° - +70°C (-13 – 158°F)
Housing	: Norly UL94 – V-0
Display	: 6 decades, LED, high- efficiency orange, 15 mm (0.59")
Protection class	: Front IP65, Rear IP20
Terminal cross section	: Signals max. 1.5 mm <sup>2</sup> , AC power max. 2.5 mm <sup>2</sup>
Switching outputs (DEIX13569)	: PNP, max. 35 volts, max. 150 mA
Conformity and Standards	: EMC 2004/108/EC: EN 61000-6-2 EN 61000-6-3 LV 2006/95/EC: EN 61010-1