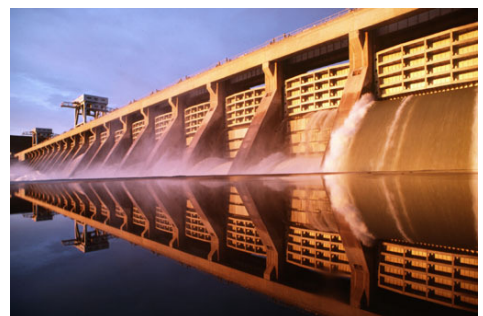
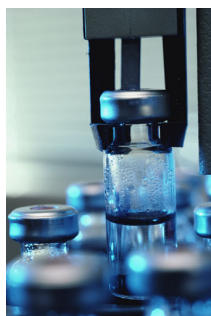


Display with SSI-interface



DSE-S7

- ❑ for industrial applications
- ❑ 8 digit LED-display
- ❑ 2 programmable outputs
- ❑ multiplier
- ❑ electronic adjustment
- ❑ non-volatile EEPROM memory



General

The **DSE-S7** is a multi-purpose display for sensors with an SSI-interface. Rotary encoders with 12 or 24 databits in Gray-code as well as linear displacement sensors can be connected. This high tech display has two programmable outputs. Using 4 presets the outputs may be programmed for different situations. Several parameters are programmable to adjust the display to your specific needs. The parameters and presets are stored in a non-volatile EEPROM memory. The actual position can also be stored in this memory.

Four front-panel keys ensure easy programming. The display, including the front-panel, are designed for heavy industrial applications.



Functions

SSI

SSI-interfacing: 13 or 25 bit.

Number of bits

The number of bits that the microprocessor will use is programmable for singleturn bits and for multiturn bits.

Multiplicator

Using the multiplicator it is possible to adjust the displayed value. This feature makes it easy to work with millimeters, centimeters, inches, degrees etc.

Decimal point

The decimal point makes it even easier to read the display. The position can be programmed.

Electronic adjustment

This feature makes a mechanical adjustment of the rotary encoder unnecessary.

Offset

It is possible to program a positive or negative offset.

Disable programming mode

With a specific parameter it is possible to deny others access to the programming mode.

Store

If a high signal is detected on the input "store", the displayed value will not be refreshed.

Outputs

The two outputs can be programmed as:

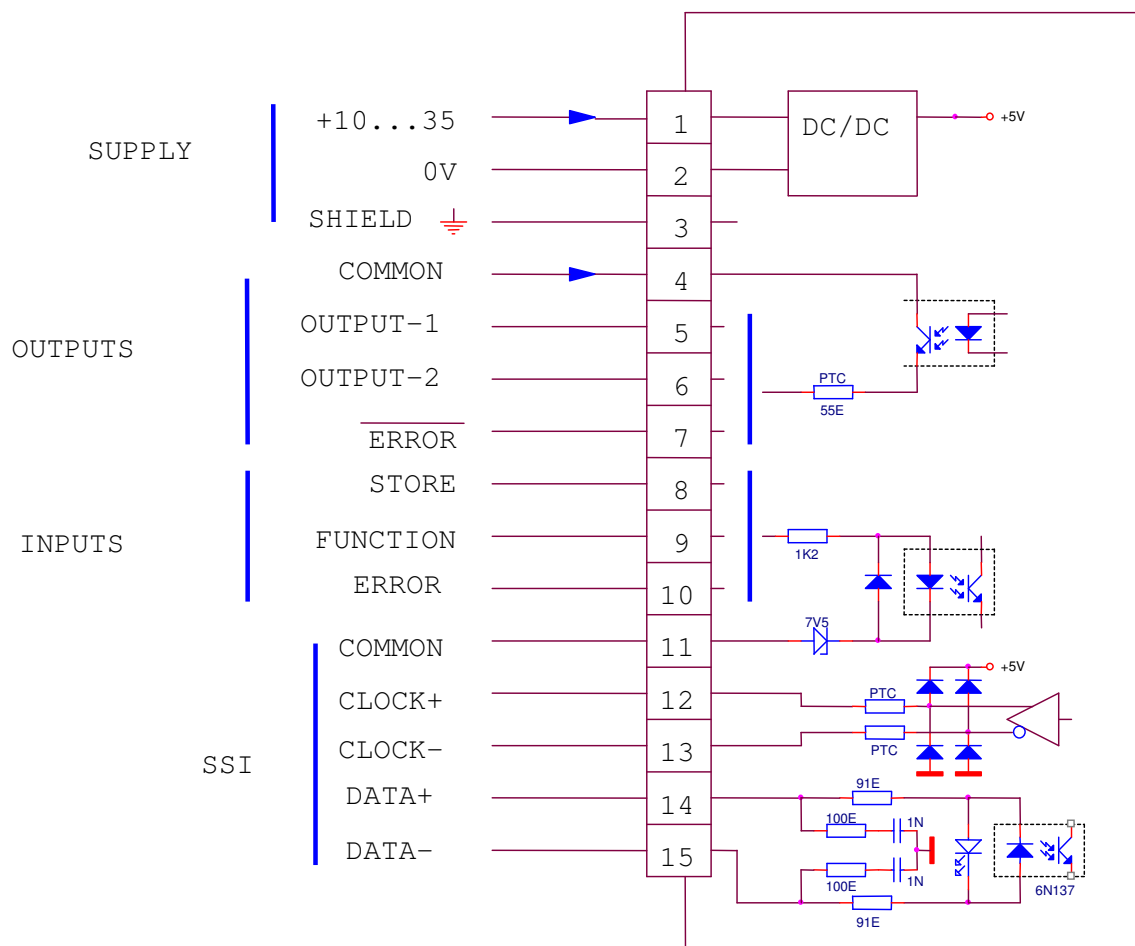
- ☐ Range signal.
- ☐ Limit switch.
- ☐ Time pulse.

Technical specifications

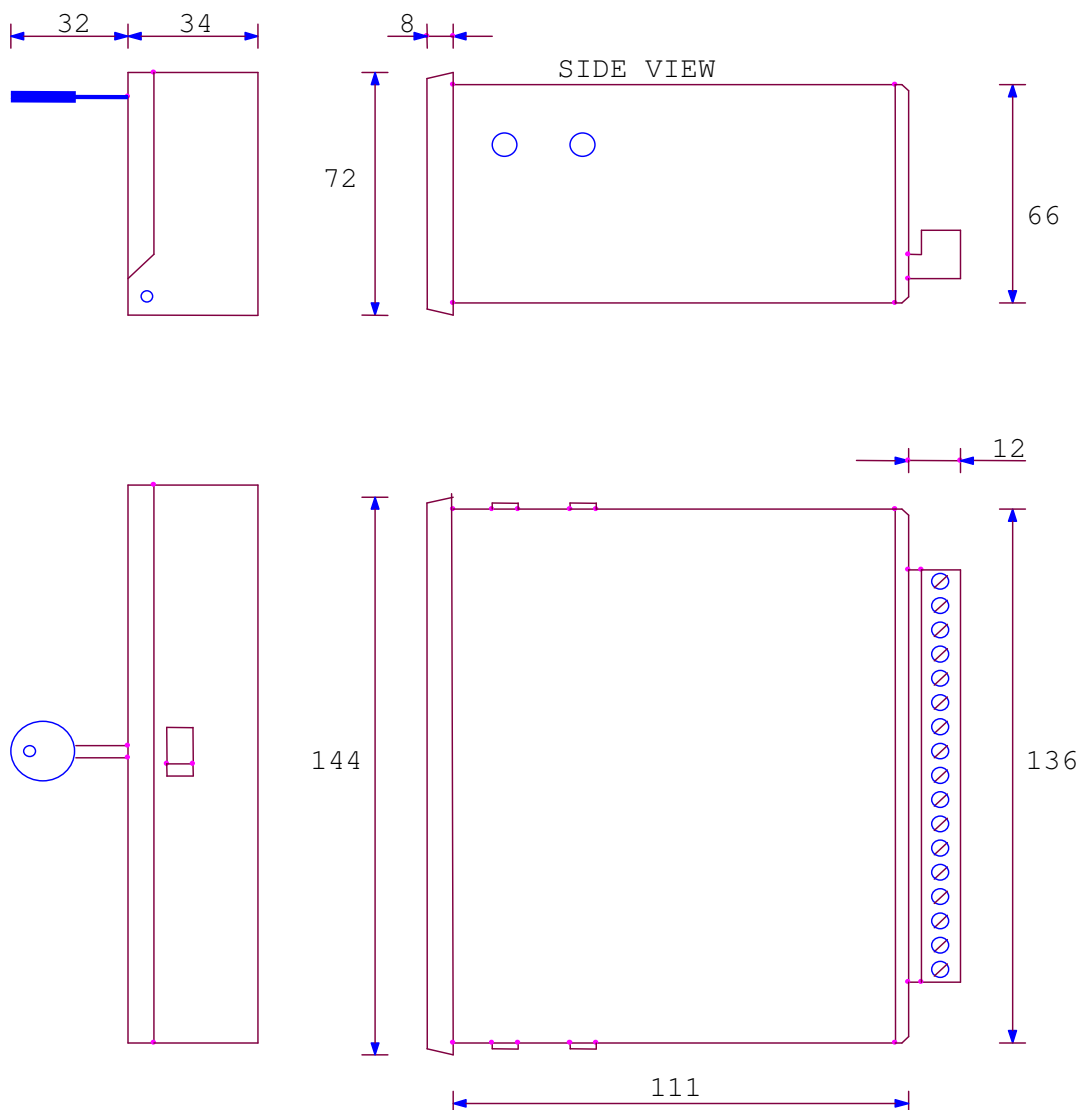
Supply voltage	10..35 VDC (min. 16VDC to store position)
Current drain	< 150 mA
SSI-input	
Code	Gray; 25 bit protocol, 24 databits or 13 bit protocol, 12 databits
Data-input	Optocoupler, RS422
Clock-output	Driver, RS422
Clock-frequency	125 kHz
Inputs	Optically isolated; low 0..+5V ; high +10..+35V
Resistance	App. 1,8 kOhm at 24V
Outputs	Optically isolated, NPN transistor, open emitter with PTC
I _{max}	50 mA
Supply voltage	Max. 35 V
Output voltage	Supply – 3,50 V (at 50mA)
	Supply – 2V (at 20mA)
Display range	–9999999.. 99999999
Cycle time	1,66 ms
Datamemory	EEPROM
Display	8 digit 7-segment red LED; 14mm high
Operating temperature	0..50 °C
Weight	< 500 gram
Protection	Front IP50, with protective cover IP54 ; Rear IP20

Connections

(Screw terminal)



OPTION PROTECTIVE COVER



Ordering Guide

Standard : **DSE-S7**
Option protective cover : **CDS-B**

Connectors are included.

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