

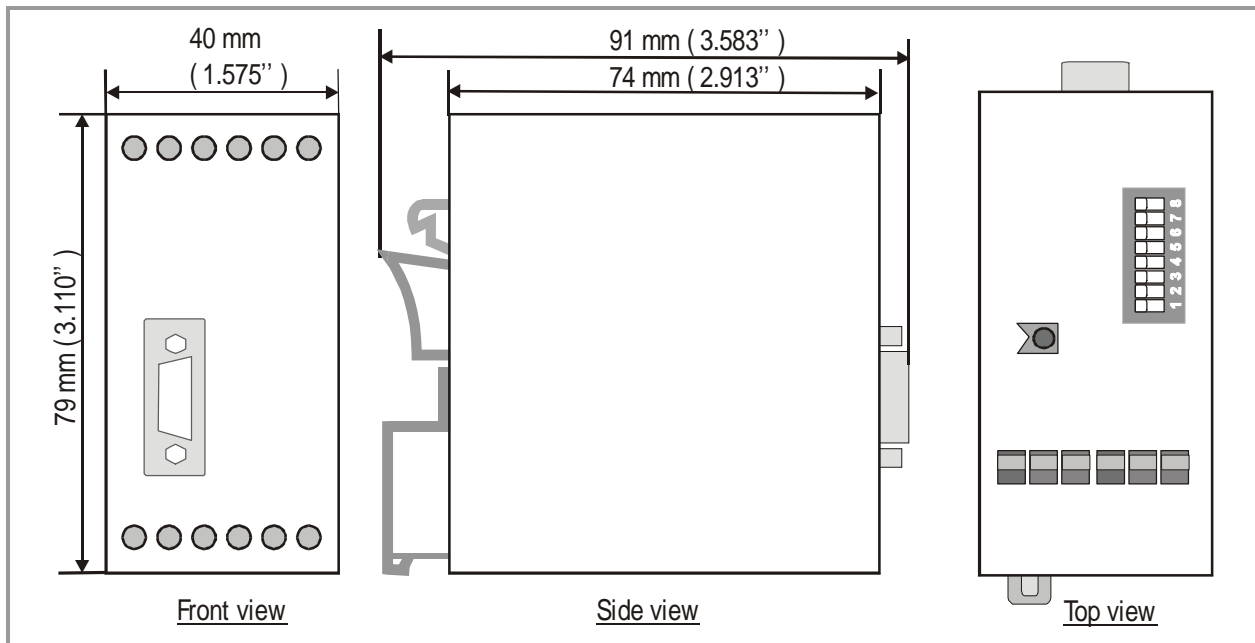
DKIV31473

Signal Converter
SSI => Analogue and SSI => Serial



- Suitable for operation with all sensors and encoders using SSI interface
- Scalable analogue outputs +/- 10 volts, 0-20 mA and 4-20 mA proportional to the sensor signal
- Serial RS232 and RS485 interface for serial readout of the encoder data
- Easy to set up by Teach function or by PC
- Linearisation facilities by freely programmable input-output curves
- Additional facilities as bit-blanking, round-loop-operation etc.
- 18-30 volts DC power supply, auxiliary voltage output 5 V DC for sensor supply

1. Dimensions and Specifications



Power Supply	: 18...30 VDC
Power consumption	: about 170 mA at 18V (+5.5V not connected) about 120 mA at 30V
Inputs (SSI)	: TTL differential, RS-422 standard (1.0 MHz)
SSI Format	: 13, 21 or 25 Bit (Master / Slave / Gray / Bin)
SSI break time	: min. 4 clock cycles
Set Input (HTL)	: High > 10V , Low < 3V (Ri = 5k) Active High; minimum pulse duration 10 msec.
Encoder supply	: +5.5V +/- 5% (max. Load: 150 mA)
Analogue outputs	: +/- 10V (> 5 kOhm), 0-20 mA / 4-20 mA (<270 Ohms)
Resolution	: 14 Bits
Stabilization time	: 2 msec.
Accuracy	: +/- 0.1%
Temperature-Range	: Operation: 0° ... +45°C (+32 ... +113°F) Storage: -25° ... +70°C (-13 ... +158 °F)
Weight	: approx. 190 g
Conformity and Standards	: EMC 89/336/EEC: EN 61000-6-2 EN 61000-6-3 LV73/23/EEC: EN 61010-1