



Signal converter PR210

Parallel (BCD-, binary- or Gray code) → serial (RS232 / RS485)

Product features:

- Three select inputs for serial transmissions to eight different target units
- 20 bits parallel input for data with BCD or binary or Gray code
- Four status outputs for transmission, status and error indication
- Serial RS232 or RS484 interface with selectable baud rate
- Compact and slim housing for top hat rail mounting
- 10 to 30 VDC power supply

Technical specifications:		
Power supply:	Input voltage: Protection circuit: Ripple: Consumption: Connections:	10 ... 30 VDC reverse polarity protection ≤ 10 % at 24 VDC approx. 20 mA (unloaded) screw terminal, 1.5 mm ² / AWG 16
Aux. voltage for parallel input:	Output voltage: Output current:	approx. 1.5 VDC less the input voltage max. 100 mA
Parallel in put:	Format: Resolution: Signal levels: Input frequency: Input current: Connections:	binary, BCD or Gray code binary: 16 bit BCD and Gray: 20 bit, LOW 0 ... 3 V, HIGH 10 ... 30 V - auto transmit: 0,5 kHz - fast encoder: 5 kHz - data logging: 0,5 kHz data lines approx. 1 mA each SUB-D connector (male), 25-pin
Read input:	Signal levels: Input current: Connections:	LOW 0 ... 3 V, HIGH 10 ... 30 V approx. 6 mA SUB-D connector (male), 25-pin
Serial interface:	Format: Baud rates: Connections:	RS232 or RS485 600, 1200, 2400, 4800, 9600, 19200, 38400 (selectable) SUB-D connector (female), 9-pin
Status outputs:	Number of outputs: Status functions: Characteristic: Switching voltage:: Output current: Protection circuit: Connections:	4 busy / no response / communication error / input error PNP, active high 7 ... 30 V max. 350 mA (per output channel) durable short circuit proof)*) screw terminal, 1.5 mm ² / AWG 16
Display elements:	Status indicators:	2 LEDs
Housing:	Material: Mounting: Dimensions: Protection class: Weight:	plastic 35 mm top hat rail (according to EN 60715) 22.5 x 102 x 102 mm (w x h x d) IP20 approx. 100 g
Ambient temperature:	Operation: Storage:	0 °C ... +45 °C / +32 ... +113 °F (not condensing) -25 °C ... +70 °C / -13 ... +158 °F (not condensing)
Conformity & standards:	EMC 2004/108/EC: Guideline 2011/65/EU:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 RoHs-conform

*) A permanent short circuit condition is permissible only for one output at a time