



## 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:		
<b>Power supply:</b>	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 <sup>2</sup> / AWG 16
<b>Aux. voltage for parallel input:</b>	Output voltage: Output current:	approx. 1.5 VDC less the input voltage max. 100 mA
<b>Parallel in put:</b>	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
<b>Read input:</b>	Signal levels: Input current: Connections:	LOW 0 ... 3 V, HIGH 10 ... 30 V approx. 6 mA SUB-D connector (male), 25-pin
<b>Serial interface:</b>	Format: Baud rates: Connections:	RS232 or RS485 600, 1200, 2400, 4800, 9600, 19200, 38400 (selectable) SUB-D connector (female), 9-pin
<b>Status outputs:</b>	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 <sup>2</sup> / AWG 16
<b>Display elements:</b>	Status indicators:	2 LEDs
<b>Housing:</b>	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
<b>Ambient temperature:</b>	Operation: Storage:	0 °C ... +45 °C / +32 ... +113 °F (not condensing) -25 °C ... +70 °C / -13 ... +158 °F (not condensing)
<b>Conformity &amp; standards:</b>	EMC 2014/30/EU: RoHS ( II ) 2011/65/EU RoHS ( III ) 2015/863:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61326-1  EN IEC 63000

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