



CODE CONVERTER CDC 9

RECEIVER

Parallel or serial link code receiver with display, parallel or analogue output, overflow thresholds



The code converter receives a measurement:

- either via a parallel code (normal binary, Gray code, BCD type),
- or via a serial link code RS 232 / V 24.

It sends out:

- A code (Gray, BCD, or normal binary).
- 4 programmable thresholds.
- A display.
- 2 analogue outputs.
- Depending on the version, it will give the input measurement or this linearized measurement according to the law introduced by the user, $Q = f(h)$; $Q = f(\text{opening})$, etc...

Applications

- Receiver for modernizing NEYRPIC / NEYRTEC telemetry.
- Off-loading the flow calculations from the main monitoring unit.
- Flow calculation corresponding to the opening of a downloading valve.
- Gray code or normal binary input display panel.
- Alarm signals with the quantity to be measured.

Functions

Parallel input

The input parallel code comes from a mechanical encoder, another code converter or a levelmeter.

Serial input

The code converter receives periodically a message including the measurement.

The serial link code may come from a LPN 8, or DPN 7, or CAE 7 or any other apparatus properly programmed.

Front display

The code converter includes an integrated LED display panel (six 20 mm digits).

The display takes the offset into account (i.e. relating to local conditions).

Analogue output

Preset analogue outputs may operate according

to 4 modes:

- ① Only one analogue output is used.
- ② The two outputs are used,
 - "Level" version: m and cm,
 - "Linearized" version: calculated measurement and initial measurement.
- ③ The two outputs are independent from one another.
- ④ The two outputs are "MODULO" types (magnifying effect).

Preset thresholds

The 4 thresholds deliver a relay contact (1 MB) when exceeding the prefixed value.

Programmable coded outputs

Whatever the entry code, the user chooses any of the 3 codes (natural binary, Gray, BCD) which are retrieved on relay outputs (1 make break).

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Specifications

Parallel input	16 bits, 15 bits + validity bit, 14 bits + sign bit + validity bit, 13 bits + sign bit + validity bit, natural binary code ; Gray or B.C.D.	Thresholds	4 high thresholds on relay "1 MB" (30 VA - 50 V maximum).
Serial link input	V24 to 300, 1200, 4800, 9600 bauds. HYDROLOGIC protocol.	Output relay	(30 VA - 48 V maximum). 16 bits, 15 bits + validity bit, 14 bits + sign bit + validity bit, 13 bits + power down bit + sign bit + validity bit, natural binary code, Gray or B.C.D.
Display	LED (6 red digits) 20 mm high.	Supply	220 V AC. 12 V DC (9 to 18 V). 24 V DC (18 to 36 V). 48 V DC (36 to 72 V).
Floating point	Fixed preset.	Consumption	10 VA.
Offset	Preset.	Size	DIN 43 700 Format (192 x 96). 170 mm deep.
Analogue output	0 - 20 mA, 4 - 20 mA, 0 - 10 mA, 0 - 5 mA, 0 - 10 volts. Charge resistance: 500 Ohms maxi. Preset in m or m and cm.	Outline	92 x 186 mm.

Other products

- Flowmeters DPN 7/1 and DPN 7/2.
- Waste water samplers.
- Floating roll flowmeters.
- Venturi flumes.
- Hydrology current meters.
- Portable flowmeters.
- Measurement of waterflows in rivers or canals.
- Levelmeters LPN 8/1 and LPN 8/2.
- Floating meters CAE 7/2.
- Mechanical and electronic encoders.
- Level scales.
- Levelmeters CPN 1/2.
- Graphic Printers EGN 8.

Technical data and specifications
binding only after confirmation.