

Counter / Tachometer PAXLCR



- Universal AC and DC power supply unit
- 2 freely programmable relay outputs
- 6-digit, 14 mm high, brilliant dimmable LED display
- max. 25 kHz, adaptable to almost all commercially available sensors
- 24 VDC sensor supply
- Robust injection-molded plastic housing
- Front protection class IP65

<https://www.wachendorff-prozesstechnik.de/en/PAXLCR>

Description

The PAXLCR industrial counter/tachometer is an inexpensive digital display for pulse signals. With its robust plastic housing and high IP65 protection rating, it has been designed for use in harsh industrial environments. The device is configured quickly and safely via 3 buttons. Thanks to the scaling and the 2 switching outputs, the PAXLCR has a very good price/performance ratio. Almost all commercially available sensors can be connected and adapted via DIP switches.

Product details

Display:	6-digit, 14 mm high red LED. The intensity of the backlighting can be adjusted in 5 stages. Counter A: max. max. + 999,999 to -99,999 with indicator "A" Counter B: max. + 999,999 to 0 with indicator "B" Tachometer: Accuracy: +/- 0.01%, combined period duration/frequency measurement, minimum input frequency: 0.01 Hz. Display: max: 999.999
Entrance:	Scalable counting inputs; NPN, PNP sensors, CMOS, TTL, potential-free contacts, permanent magnet sensors are accepted. Max. Input frequency 25 kHz. (see drawings) Attenuation adjustable to 50 Hz. Adaptable to almost all commercially available sensors via DIP switches.
Speedometer:	min. Input frequency = 0.01 Hz, max. 25 kHz. Accuracy: +/-0.01 %.
Scaling:	All 2 counters and the speedometer can be scaled independently of each other.
Indicators:	A, B: Counter A, B SP1 or SP2: Output 1 or 2 is active
User input:	1 programmable input is available. Programmable, e.g. as a programming lock or counter reset. It can be set to PNP or NPN switching. Maximum input input 28 VDC.
Relay outputs:	Type: 2 Form-C relays, 5 A at 120/240 VAC/28 VDC.

Programming:	Programming is carried out using the three front buttons. The simple and logically structured menu navigation allows very fast commissioning. Access rights can also be assigned, e.g. quick access to the switching points of the relays can be enabled.
Buttons:	The PAXLCR is fully programmed via three front buttons. The buttons can be locked and can also be used as a reset button. can also be used as a reset button.
Data backup:	EEPROM, device parameters and meter readings are stored permanently.
Sensor supply:	+24 VDC @ 100 mA, if supply voltage greater than 50 VAC/DC +24 VDC @ 50 mA, if supply voltage is less than 50 VAC/DC
Power supply:	PAXLCR0 0/B: 50 to 250 VAC, 50/60 Hz, 12 VA or 21.6 to 250 VDC, 6 W
Protection class	Jet-proof and dust-tight to IP65 from the front.
Ambient temperature	Operation: 0 to +50°C. Storage: -40 to +70°C
Housing:	Plastic housing
Dimensions:	W 96 mm x H 50 mm x D 104 mm.
Panel cut-out:	DIN 92 mm x 45 mm.
Fastening	Via mounting frame.
Connection:	Via screw terminals.
Weight	approx. 295 g
Scope of delivery:	Device, mounting material, seal, operating instructions
Customs tariff number:	9029 20 38
Manufacturer:	Red Lion Controls, USA

Products Order no.

PAXLCR00	6-digit counter and tachometer with universal AC/DC power supply unit and 2 integrated switching relays
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Accessories Order no.

BMK90000	Top-hat rail adapter for mounting the PAX series on a top-hat rail (WxHxD) 114 mm x 63.5 mm 133 mm
ENC5A000	All-round IP65 steel housing for one device (WxHxD) 140 mm x 83 mm x 120 mm
ENC5B000	All-round IP65 plastic housing for one device (WxHxD) 188 mm x 188 mm x 130 mm
ENC5C000	All-round IP65 plastic housing for two devices (WxHxD) 188 mm x 188 mm x 130 mm
GEH0IP65	All-round IP65 aluminum housing for one device, finished with black powder coating, (WxHxD) 168 mm x 83 mm x 220 mm

Drawings

Maximum input frequency:

Maximale Eingangsfrequenz:

a. Zähler A oder B, ohne Relaisausgänge

Betriebsart	Grenzfrequenz
Alle Zählerbetriebsarten	Max. 25 kHz
4-fach Phasendiskriminator	Max. 23 kHz

b. Zähler A oder B, mit Relaisausgängen

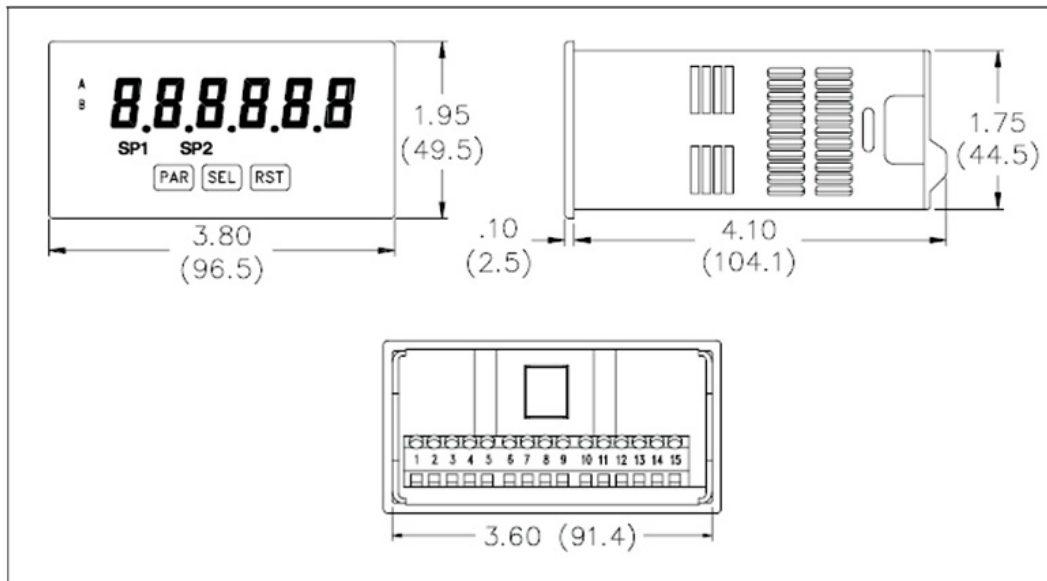
Betriebsart	Grenzfrequenz
Einfacher Zählerbetrieb	Max. 20 kHz
Zweifachzähler/Dual Count	Max. 14 kHz
2-fach Phasendiskriminator x2	Max. 13 kHz
4-fach Phasendiskriminator x4	Max. 12 kHz

c. Tachometer

Einfacher Tachometerbetrieb	Max. 25 kHz
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Drawings

Dimensions (mm):





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