

Timer PAXTM



- 6-digit, 14 mm high LED, sunlight readable and dimmable, indicators
- Timer, time relay and stopwatch function
- Plug-in options: 4 or 2 limit values
- Easy programming on the device or via PC
- High protection class IP65 on the front
- Robust plastic housing made from one piece

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

Description

The PAX TM industrial timer with its robust plastic housing and high IP 65 protection rating has been designed for use in harsh industrial environments. It can of course also be used as a very flexible and accurate laboratory device. The device is configured quickly and safely either via the PC or directly using 5 buttons. The operator is pleased with the clear user interface with which he can easily record all parameters at a glance and easily change values. Devices can also be retrofitted using the plug-in options.

Product details

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| Entrance | 2 inputs optionally adjustable: PNP or NPN | Sensor supply | 12 VDC, ±10 %, max. 100 mA, short-circuit proof |
| Resolution | Timer display: 0.001 s | Supply | PAXTM00 0/B: 85 VAC to 250 VAC 50/60 Hz, 18 VA PAXTM01 0/B: 11 VDC to 36 VDC, 14 W or 24 VAC ±10 %, 50/60 Hz, 15 VA |
| Accuracy | Timer: ±0.01 % of the display. | Ambient conditions | Operating temperature: 0 °C to +50 °C C. 0 °C to +45 °C when equipped with 3 expansion cards. Storage temperature: -40 °C to +60 °C |
| Display area | Timer display: 999999, 23 adjustable time ranges Cycle counter display: 0 to 999999 | Dimensions | (W x H x D) 97 mm x 50 mm x 104 mm, Panel cut-out according to DIN 92 mm x 45 mm. |
| Indicators | Timer display, counter display TMR = Timer function CNT = Display for switching cycles SP1 = Output 1 is active SP2 = Output 2 is active SP3 = Output 3 is active SP4 = Output 4 is active | Assembly | Mounting frame with clamping screws, connection via terminal strip. |
| Keys | The device is programmed and operated using the 5 push buttons on the front. | Approvals: | UL approval (Underwriters Laboratories) for the USA and Canada |
| Function inputs | 3 programmable inputs for different functions functions. PNP- or NPN-switching via jumper adjustable via jumper. | Weight: | approx. 300 g (without plug-in options). |
| Operating modes | Various selectable e.g: Start/stop with one or two two sensors, automatic reset at start, etc. | Scope of delivery: | Device, fixing material, seal, operating instructions. |
| Outputs | Equipped with an interface card, a relay or transistor transistor output card or real-time clock card. | Customs tariff number: | 9032 89 00 |
| Setting | The device is set via 5 front buttons or software. | Manufacturer: | Red Lion, USA. |
| Insulation | PAXTM00: 2300 Vrms for 1 minute to all inputs and outputs. PAXTM01: 500 Vrms for 1 minute to all inputs and outputs. | Output cards: | The device can be very easily upgraded with various output cards. Each device can be equipped with a maximum of one interface card, one relay or transistor output card and one analog output card. You can easily install the cards yourself. |
| | | Pluggable interface card: | 1. half-duplex RS232, programmable 2. multipoint RS485, programmable 3. DeviceNet, programmable 4. PROFIBUS-DP, programmable 5. ModBus, programmable (via RS485 or RS232 interface) |

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| Pluggable relay output cards: | <ul style="list-style-type: none"> • 2 x relay changeover contact 5 A at 120/240 VAC or 28 VDC (resistive load), at 120 VAC (90 VA inductive load). Service life of the relays is 100,000 cycles at max. load. The service life increases with lower loads. • 4 x NO relay 3 A at 240 VAC or 30 VDC (resistive load), at 120 VAC (70 VA inductive load). Service life of the relays is 100,000 cycles at max. load. The service life increases with lower loads. | ENC5C000 | All-round IP65 plastic housing for two devices (WxHxD) 188 mm x 188 mm x 130 mm |
| Pluggable transistor output cards: | <ul style="list-style-type: none"> • 4 x NPN-OC transistors: max. 100 mA at $v_{sat} = 0.7$ V, $v_{max} = 30$ V, galvanic isolation of 500 V against the signal input. • 4 x PNP-OC transistors: Internal supply: 24 VDC +/- 10 %, max. 30 mA all 4 transistors. External supply: max. 30 VDC, 100 mA for each individual transistor. | GEH0IP65 | All-round IP65 aluminum housing for one device, finished with black powder coating, (WxHxD) 168 mm x 83 mm x 220 mm |
| Plug-in real-time clock card: | Time accuracy +/- 5 sec/month after setting by the user. Internal lithium button cell battery with a service life of approx. 10 years. Synchronization via RS482 interface with up to 32 devices possible. 500 Vrms insulation for 1 minute to ground of the timer and user inputs. | PAXCDC1C | Plug-in RS 485 interface card with 2 x RJ11 plugs |
| Programming on the device | Programming is possible if the programming lock input is not activated. All necessary parameters can then be set using the 5 front buttons. Programming is organized in individual sections. | PAXCDC2C | Plug-in RS 232 interface card with 9-pin SUB-D connector |
| Programming with PC software | With the Crimson 2 Windows software, all project data can be easily created, managed, copied, registered and transferred to the PAX device on the PC. A starter package consisting of software, RS 232 interface card and PC/PAX connection cable makes it easier to decide in favor of this programming. | PAXCDC10 | Plug-in RS485 interface card (terminal strip) |
| | | PAXCDC20 | Plug-in interface card RS232 |
| | | PAXCDC30 | Plug-in DeviceNet interface card with terminal strip |
| | | PAXCDC40 | Programmable plug-in Modbus interface card |
| | | PAXCDS10 | Pluggable relay output card 2 x changeover contact |
| | | PAXCDS20 | Pluggable relay output card 4 x NO contact |
| | | PAXCDS30 | Pluggable transistor output card 4 x NPN |
| | | PAXCDS40 | Pluggable transistor output card 4 x PNP |
| | | PAXRTC00 | Plug-in real-time clock card (only for PAXCK*, PAXTM, EPAXCK*, LPAXCK*) *Included with PAXCK. |

Products Order no.

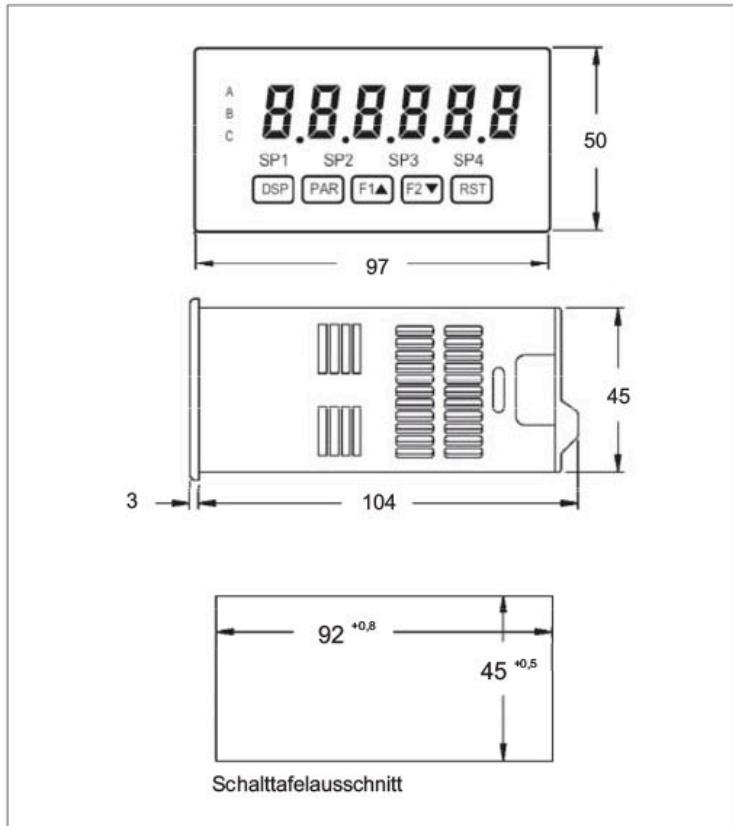
| | |
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| PAXTM000 | Industrial timer PAXTM, 85 to 250 VAC |
| PAXTM010 | Industrial timer PAXTM, 11 to 36 VDC / 24 VAC |

Accessories Order no.

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| BMK90000 | Top-hat rail adapter for mounting the PAX series on a top-hat rail (WxHxD) 114 mm x 63.5 mm x 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 |

Drawings

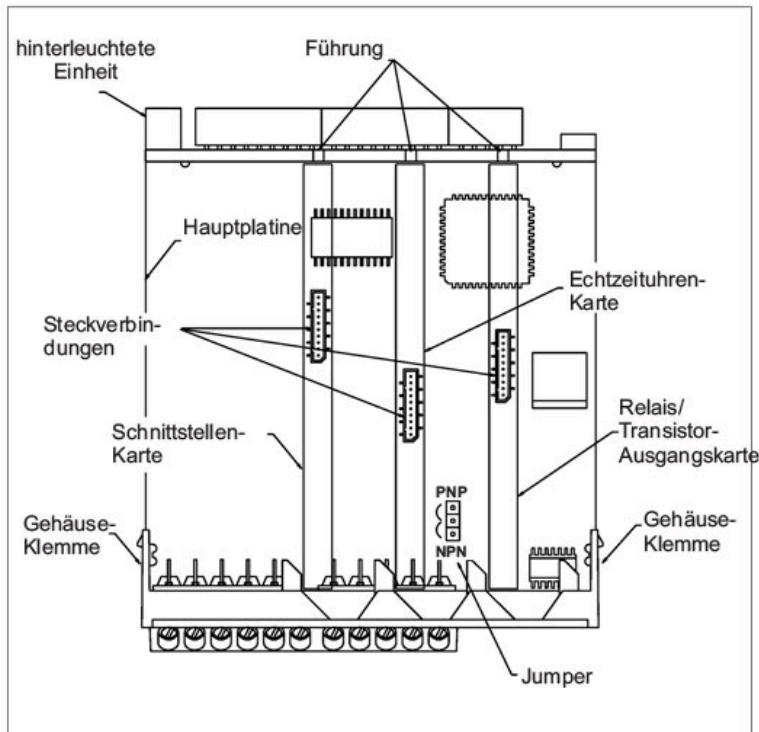
Dimensions (mm)



Abmessungen (in mm)

Drawings

Mechanical structure



Mechanischer Aufbau



Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de

