

Counter/frequency display ZD327401



- Counter/frequency display in 32 x 74 mm format
- Universal AC and DC power supply
- Input frequency up to 100 kHz
- 2-line LED display
- Simple programming via keypad or software
- Two switching outputs

<https://www.wachendorff-prozesstechnik.de/en/ZD327401>

Description

The compact small pulse counter ZD327401 can be used both as a preset counter and as a frequency display. Almost all commercially available pulse sensors can be connected via three function inputs (NPN/PNP/TTL). The counting direction can be determined and displayed via the internal phase discriminator or the corresponding wiring of the function inputs. A function input can also be connected via a potentiometer to specify the setpoint. In addition to an excellent price/performance ratio and high quality, the counter impresses with its robust, compact housing and brilliant display.

Product details

Display:	2-line LED display Upper line: 4-digit, green with 10.2 mm digits Bottom line: 4-digit, red with 7.6 mm digits
Indicators:	Two red indicators for the status of the relay outputs and one yellow indicator for serial communication. 1, 2: ON when output is active. R: ON for serial communication cnt1: Display of counter 1 cnt2: Display of counter 2
Keyboard:	4 buttons for programming and setting the setpoint.
Inputs:	Three digital inputs adjustable as PNP, NPN or TTL. Programmable switching thresholds for activation as high active/low active/rising edge or level-controlled. See also table under Drawings Input signal/logic level
Function inputs:	Gate input, hold, direction selection, setpoint setting (I3).
Input frequency:	Minimum 1 Hz to maximum 100 kHz.
Relay output:	1 changeover relay with 5 A @ 250 VAC and 1 NO contact with 5 A @ 250 VAC.
Sensor supply:	24VDC - 30 mA with 24 VAC supply - 40 mA with 24 VDC supply - 60 mA with 110 to 230 VAC supply.
Power supply:	24 VAC/DC to 230 VAC/DC +/-15 %, 50/60 Hz; 2W.
Data protection:	Password-protected access to setpoint, alarm values and parameters.

Programming:	Programming and operation is menu-guided via the front buttons. The programming module can also be used to program the controller via Windows™ software. The memory card has an internal battery. This makes it possible to program the devices without connecting the power supply (up to 1,000 programs with one battery).
Protection class:	Jet-proof and dust-tight to IP65 from the front (with seal), rear protection class IP20.
Dimensions:	Control panel (WxHxD): 77 mm x 35 mm x 53 mm Control panel cut-out (WxH): 70.5 mm x 28.5 mm Recommended thickness of the control panel 2 to 8 mm.
Fastening	Via mounting frame with plastic clamping bracket.
Housing:	Black, impact-resistant plastic housing.
Connection:	About screw terminals
Weight:	approx. 100 grams.
Ambient conditions:	Operating temperature: 0 °C to +45 °C; relative humidity: 35% to 95%rh, non-condensing.
Scope of delivery:	Device, fixing material, seal, operating instructions.
Certificates:	UL, CE, RoHS
Customs tariff number:	9026 80 20
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

Products Order no.

ZD327401	Counter/frequency display, 24 to 230 VAC/VDC
----------	--

Accessories Order no.

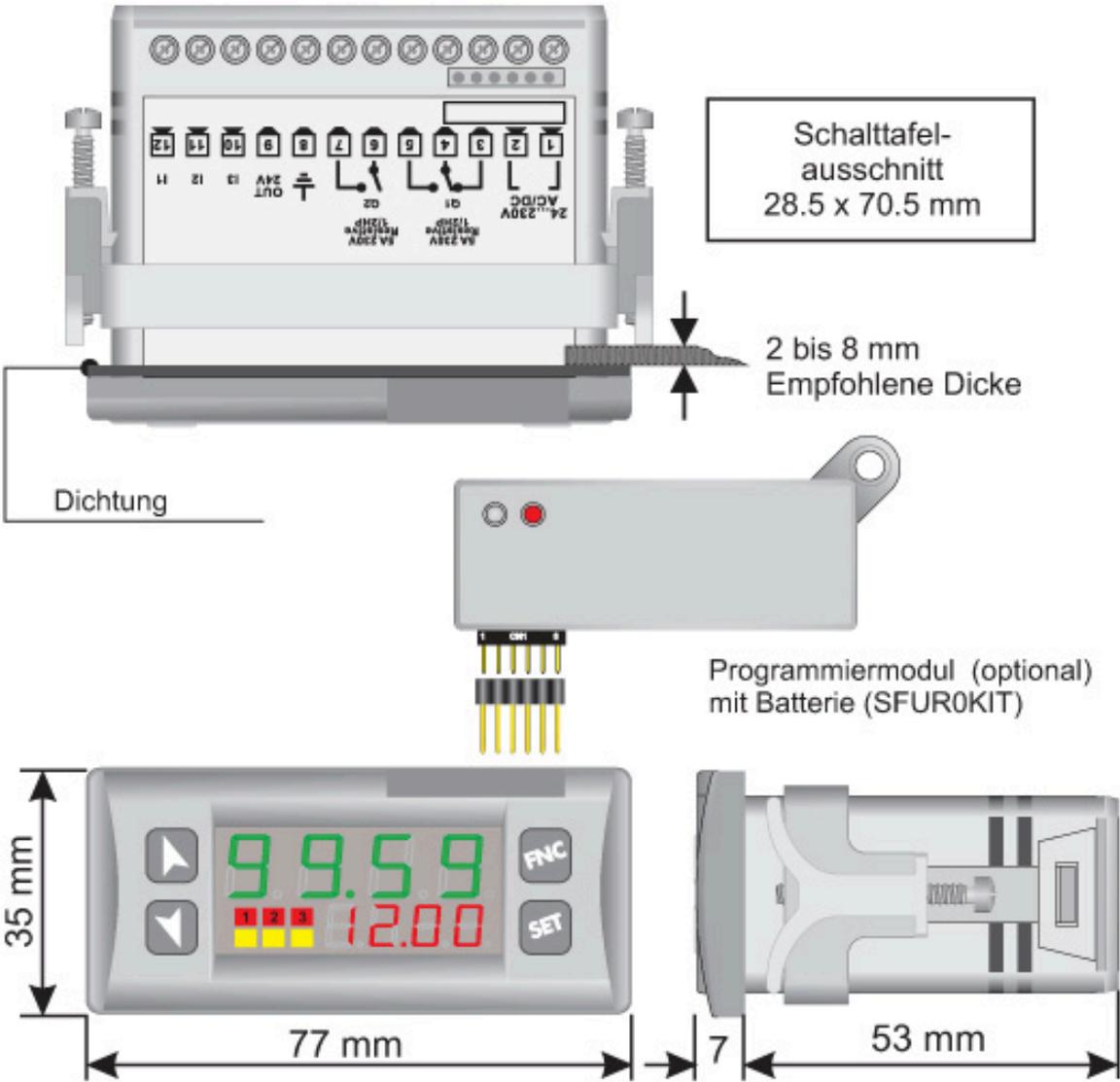
SFUR0KIT	Programming module for Wachendorff PID universal controllers and digital displays of the TA, TH, TI, UA, UR, VZ and ZD series
----------	---

URDR3274

DIN rail adapter for devices in the
UR3274 series

Drawings

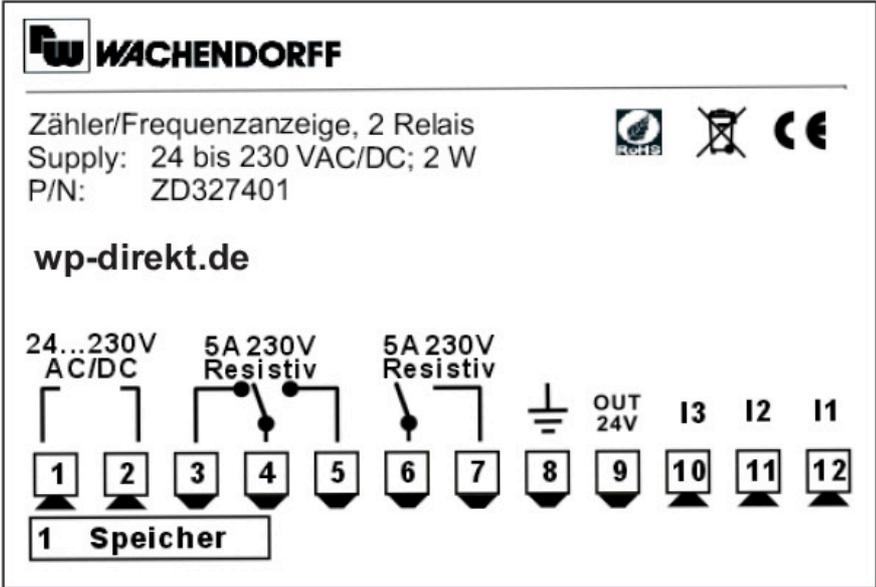
Dimensions and STEP file



Drawings

Connection:

Anschlüsse:



ZD327401

Drawings

Input signal/logic level:

Eingangssignal Logik Level	NPN	PNP	TTL
High	< 4,7 V	>5,7 V (I1, I2) >12,4 V (I3)	>2,5 V
Low	> 5,7 V	< 4,7 V (I1, I2) < 10,2 V (I3)	< 2,0 V

Eingang I3 kann auch zum Anschluss eines Potentiometers (0 bis 5/10 kOhm) zur Vorgabe des Sollwertes verwendet werden (Auflösung: 1.000 Schritte).



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

