WACHENDORFF
Prozesstechnik GmbH & Co. KG

Preset counter/frequency display VZ484801

- Preset counter/frequency display in 48 x 48 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/VZ484801

Description

The compact preset counter VZ484801 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: Actual value, 4 digits, green with 10.2 mm digits Lower line: setpoint, 4 digits, red with 7.6 mm digits
Indicators:	Two red indicators for the status of the relay outputs and one yellow indicator for serial communication. C1, C2: ON when output is active. R: ON for serial communication
Keyboard:	3 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:	2 NO contacts with 8 A @ 250 VAC. Programmable as normally open or normally closed contact.
Sensor supply:	24 VDC - 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. With the programming kit, the controller can also be programmed using Windows ™ software, which is compatible with Windows 7 and Windows 10. The memory card has an internal battery. This makes it possible to program the devices without connecting the power supply (up to 1000 programs with one battery).
Dimensions:	W 48 mm x H 48 mm x D 107 mm. Panel cut-out 46 mm x 46 mm. Fastening via mounting frame with screws. Recommended thickness of the switch panel 2 to 6 mm.
Housing:	Black, impact-resistant plastic housing.
Protection class:	Jet-proof and dust-tight from the front in accordance with IP65 (with seal). seal), housing and rear protection class IP20.
Connection:	Via screw terminals.
Ambient conditions:	Operating temperature: 0 °C to +40 ° C; Relative humidity: 35% to 95%rh, non-condensing.
Scope of delivery:	Device, fixing material, seal, operating instructions.
Weight:	approx. 350 grams.
Certificates:	UL, CE, RoHS
Customs tariff number:	9026 80 20
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

Products Order no.

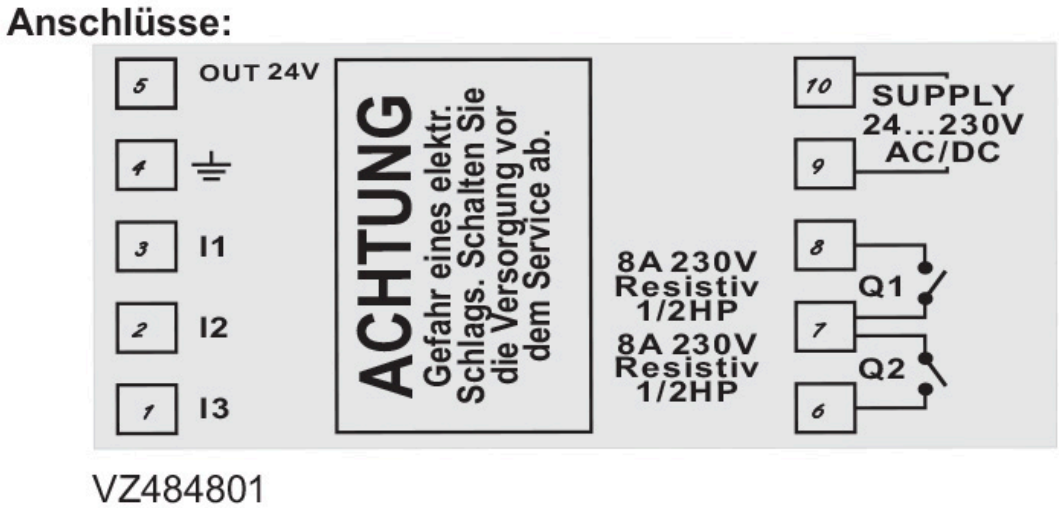
VZ484801	Preset counter, 24 to 230 VAC/VDC

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
URDR4848	DIN rail adapter for devices in the UR4848 series

Drawings

Connections:



VZ484801

Drawings

Input signal/logic level:

Eingangs-signal / 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).

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