

## Preset counter/Rate meter VZ484801

- Preset counter/Rate meter in 48 mm x 48 mm format
- Universal AC/DC power supply
- Input frequency up to 100 kHz
- 2-line LED display
- Easy programming by front keys or software
- Two relay outputs



VZ484801

The compact preset counter VZ484801 can be used as preset counter and also as a rate meter. 3 universal digital inputs are available (NPN/PNP/TTL) can be used with the most common pulse sensors. With the internal quadrature functionality or the external wiring of the user inputs a bi-directional counting could be realized and displayed. One user input is also analogue in order to allow setpoint modification by an external potentiometer.

Due to the two different modes and the scaling features, the counter is usable for a lot of different applications. In addition to an excellent cost effectiveness and high quality, the counter offers a rugged, compact housing and a brilliant display.

### Display: 2-line LED-Display

Upper line: Counting value, 4-digit, green with 10.2 mm digits  
 Lower line: Setpoint, 4-digit, red with 7,6 mm digits

**Indicators:** Two red indicators for status relays outputs and a yellow indicator for serial communication.

C1, C2: ON, when output active

R: ON, when serial communication is active

**Buttons:** 4 front keys for programming and setting up the setpoints.

**Inputs:** Three digital inputs can be configured as PNP, NPN or TTL. Programmable thresholds for activation as a high / low active active / rising edge or level triggered.

Input signal \ Logic 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

Input I3 can also be used for connection of a potentiometer (0 to 5/10 kOhm) for setting the nominal value (resolution: 1,000 steps).

**Function of inputs:** Counting direction, stop, hold, wait, setpoint input (I3).

**Input frequency:** Min 1 Hz to max. 100 kHz

**Frequency display:** It is possible to programm the counter as a frequency meter.

**Relay output:** 2 closing contacts (N.O.) with 8 A @ 250 VAC. Programmable as N.O. or N.C..

### Excitation: 24 VDC

- 30 mA (24 VAC power supply)
- 40 mA (24 VDC power supply)
- 60 mA (110 bis 230 VAC power supply).

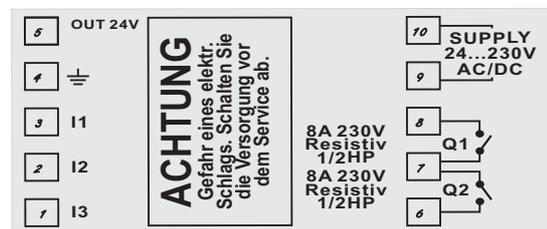
### Supply:

24VAC/DC to 230 VAC/DC +/-15 %, 50/60Hz; 2 W

**Data security:** Password-protected access to setpoint, alarm values and parameters.

**Programming:** Programming and operation is menu-guided via the front keys. With the programming kit, the controller can also be programmed by a Windows™ - software. The memory card has an internal battery. Thus, the programming of the devices is possible without the supply (up to 1000 programming with a battery).

### Wiring plan:



VZ484801

**Protection class:** IP65 from the front (with rubber sealing), back plane IP20.

**Housing:** Black and robust plastic case.

**Dimensions:** W 48 mm x H 48 mm x D 107 mm. Panel cut out 46 mm x 46 mm.

**Connection:** Via screw terminal.

**Ambient conditions:** Operating temperature: 0 °C to +40 °C; relative humidity 35 % to 95 %. rF, non condensing.

**Weight:** 350 gramms.

**Scope of delivery:** Controller, mounting clamp, sealing, manual.

### Order codes

Type	Order-No.
Preset counter, 24 to 230 VAC/VDC	VZ484801
<b>Accessories</b> Programming module with USB cable Software download under: <a href="http://www.wachendorff.de/wp/dpc_dow_epg_sof.html">http://www.wachendorff.de/wp/dpc_dow_epg_sof.html</a>	SFUR0KIT