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Tachometer TA327401

- Tachometer with rotating direction indication in 32 mm x 74 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



TA327401

The compact small tachometer TA327401 allows to read the frequency (max 100KHz) of a signal from single or double (bidirectional encoder) input. 2 universal digital inputs are available (NPN/PNP/contact) for external commands like output activation or Hold/ Stop current visualization; one input it is also analogue in order to allow setpoint modification by external potentiometers.
Due to the two different modes and the indivation of the rotating direction, the tachometer 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.
1, 2: 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: Lock, hold, counting direction, setpoint input (I3).

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

Relay output: 1 change over relay with 5 A @ 250 VAC and 1 closing contact with 5 A @ 250 VAC..

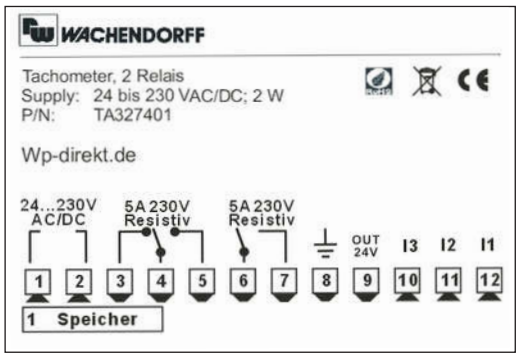
Excitation: 24 VDC
- 30 mA (24 VAC power supply)
- 40 mA (24 VDC power supply)
- 60 mA (110 bis 230 VAC power supply).

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:



TA327401

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

Housing: Black and robust plastic case, PC ABS UL94V0 self-extinguishing.

Dimensions: W 77 mm x H 35 mm x D 53 mm. Panel cut out 28,5 mm x 70,5 mm.

Connection: Via screw terminal.

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

Weight: 100 gramms.

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

Order codes

Type	Order-No.
Tachometer, 230 VAC/VDC	TA327401
Accessories	
Programming module with USB cable	SFUR0KIT
Software download under: http://www.wachendorff.de/wp/dpc_dow_epg_sof.htmll	

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