

DAG-Z2



- Counter/Preset Counter in 74 x 32 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



Z2

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Description

The compact small counter DAG-Z2F80W2 can be set in two different modes: Single or Double counter, all with independent setting. 3 universal digital inputs are available (NPN/PNP/TTL) can be used for bi-directional encoders reading, UP/DOWN counter function, LOCK/HOLD to lock or hold current visualization. One 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.

Technical Data

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	AN, when output 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.

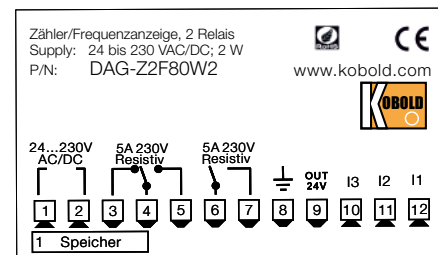
Input signal	NPN	PNP	TTL
High	< 4.7 V	> 5.7 V (I1, I2) > 12.4 V (I3)	> 2.5 V
Low	> 5.7 V	< 4.7 V (I1, I2) < 10.2 V (I3)	< 2.0 V

Input I3 can also be used for connection of a potentiometer (0...5/10 kΩ) for setting the nominal value (resolution: 1000 steps)

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

Input frequency:	Min. 1 Hz to max. 100 kHz
Relay output:	1 change-over relay with 5 A @ 250 V _{AC} and 1 closing contact with 5 A @ 250 V _{AC}
Excitation:	24 V _{DC} - 30 mA (24 V _{AC} power supply) - 40 mA (24 V _{DC} power supply) - 60 mA (110...230 V _{AC} power supply)
Supply:	24 V _{AC/DC} ...230 V _{AC/DC} +/-15 %, 50/60 Hz; 2 W
Data security:	Password-protected access to setpoint, alarm values and parameters
Programming:	Programming and operation is menu-guided via the front keys

Wiring plan:



Protection class:	IP65 from the front (with rubber sealing), back plane IP20
Housing:	Black and robust plastic case
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...+45°C; relative humidity 35%...95% rF, non condensing
Weight:	Approximately 100 g

Order Details (Example: DAG-Z2 F 8 0 W 2)

Model	Version	Input	Supply	Output	Sensor supply/digital input	Relay
DAG-	Z2 = counter 4-digit, 74x32 mm	F = digital input PNP, NPN, TTL	8 = 24...230 V _{AC/DC}	0 = without	W = with sensor supply 24 V _{DC}	2 = 1 change-over relay 1 closing contact