

Pneumatic presetting counter (add)

- 5-digit 3 digits
- Compressed air connection input M5 Ø 4
- Compressed air connection output M5 Ø 4



Logic function

Mounting orientation

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Max. particle size

Oil content of compressed air

Weight

Pneumatic/mechanic counter, adding with fixed pre-selection

Any

2 ... 8 bar

0 ... 60 °C

0 ... 60 °C







Compressed air

40 µm

0 ... 1 mg/m³

See table below

Technical data

Part No.			Display	Return
0821304008		NC	5-digit	Pneumatic > 2 bar Manually via a button
0821304009		NC	5-digit	Pneumatic > 2 bar Manually via a button
0821304014		NC	3 digits	Pneumatic > 2 bar Manually via a button
0821304015		NC	3 digits	Pneumatic > 2 bar Manually via a button
0821304016		NC	5-digit	Automatic Manually via a button
0821304017		NC	5-digit	Automatic Manually via a button

Part No.	Compressed air connection		Compressed air connection		Pulse duration	
	Input		Output		Counting	Return
0821304008	M5		M5		> 8 ms	> 180 ms
0821304009	Ø 4		Ø 4		> 8 ms	> 180 ms
0821304014	M5		M5		> 8 ms	> 180 ms
0821304015	Ø 4		Ø 4		> 8 ms	> 180 ms
0821304016	M5		M5		> 8 ms	> 180 ms
0821304017	Ø 4		Ø 4		> 8 ms	> 180 ms

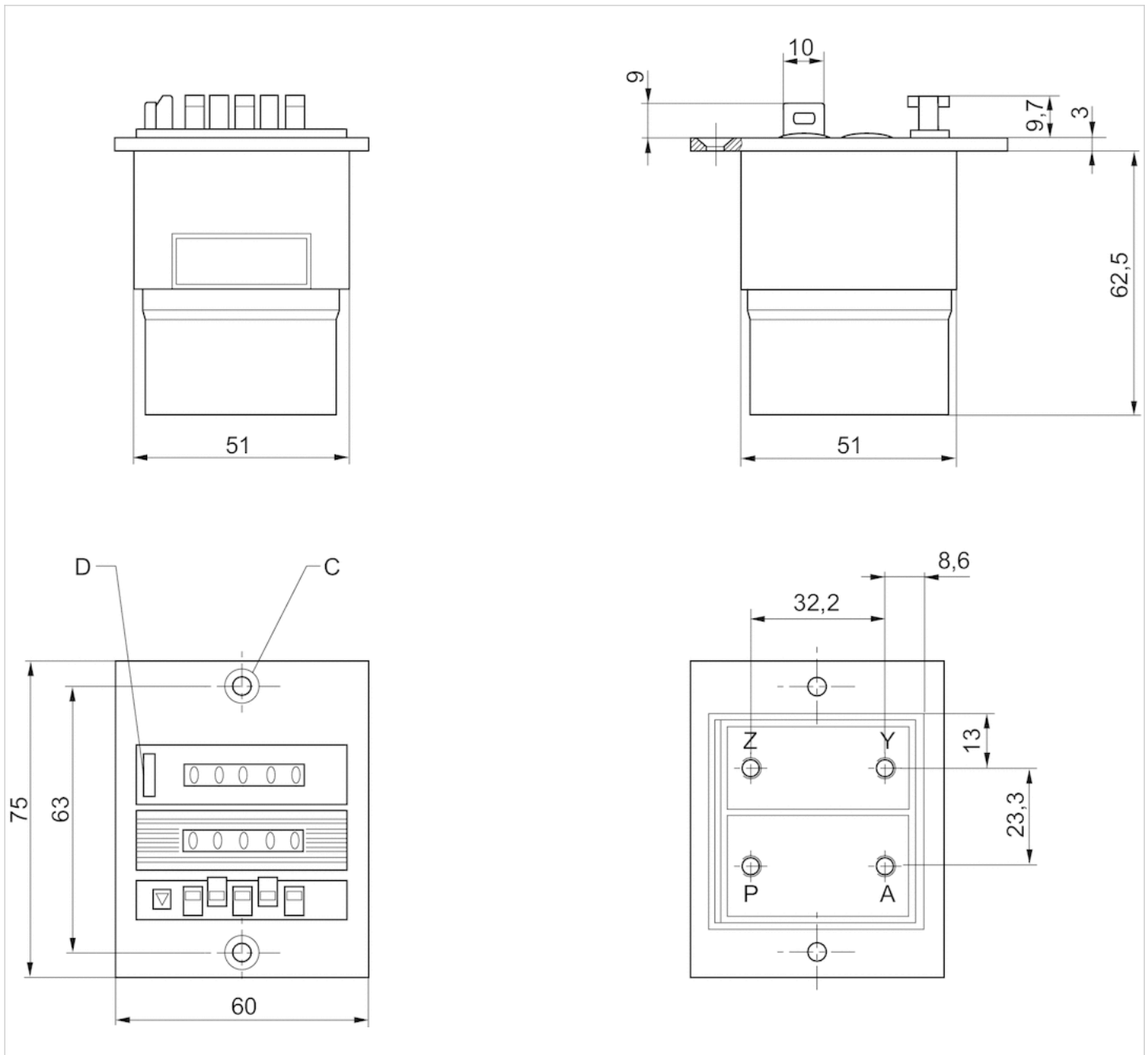
Part No.	Pause duration		Weight	Fig.
	Counting	Return		
0821304008	> 10 ms	> 50 ms	0,16 kg	Fig. 1
0821304009	> 10 ms	> 50 ms	0,16 kg	Fig. 1
0821304014	> 10 ms	> 50 ms	0,16 kg	Fig. 2
0821304015	> 10 ms	> 50 ms	0,16 kg	Fig. 2
0821304016	> 10 ms	> 50 ms	0,19 kg	Fig. 3
0821304017	> 10 ms	> 50 ms	0,19 kg	Fig. 3

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Dimensions

Fig. 1



P (1) = compressed air connection

Z = counting signal

Y = return signal

A (2) = output signal

C = countersink DIN 74-Af4

D = reset key

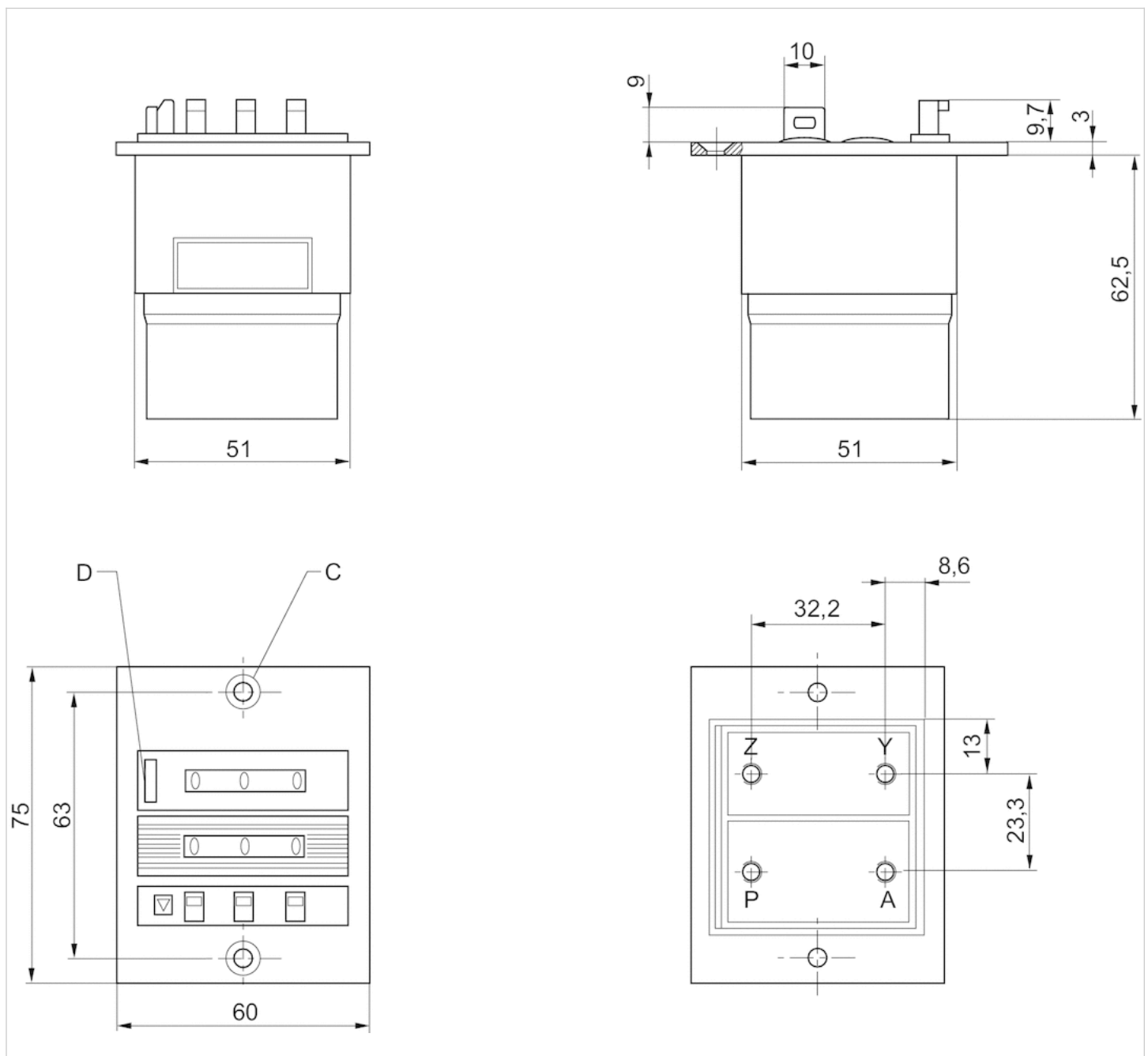
Included in the delivery contents:

2 oval head countersunk screws DIN 966 St M4 x 16

2 spring rings A4 DIN 124

2 hexagonal nuts M4 DIN 934

Fig. 2



P (1) = compressed air connection

Z = counting signal

Y = return signal

$A(2)$ = output signal

C = countersink DIN 74-Af4

D = reset key

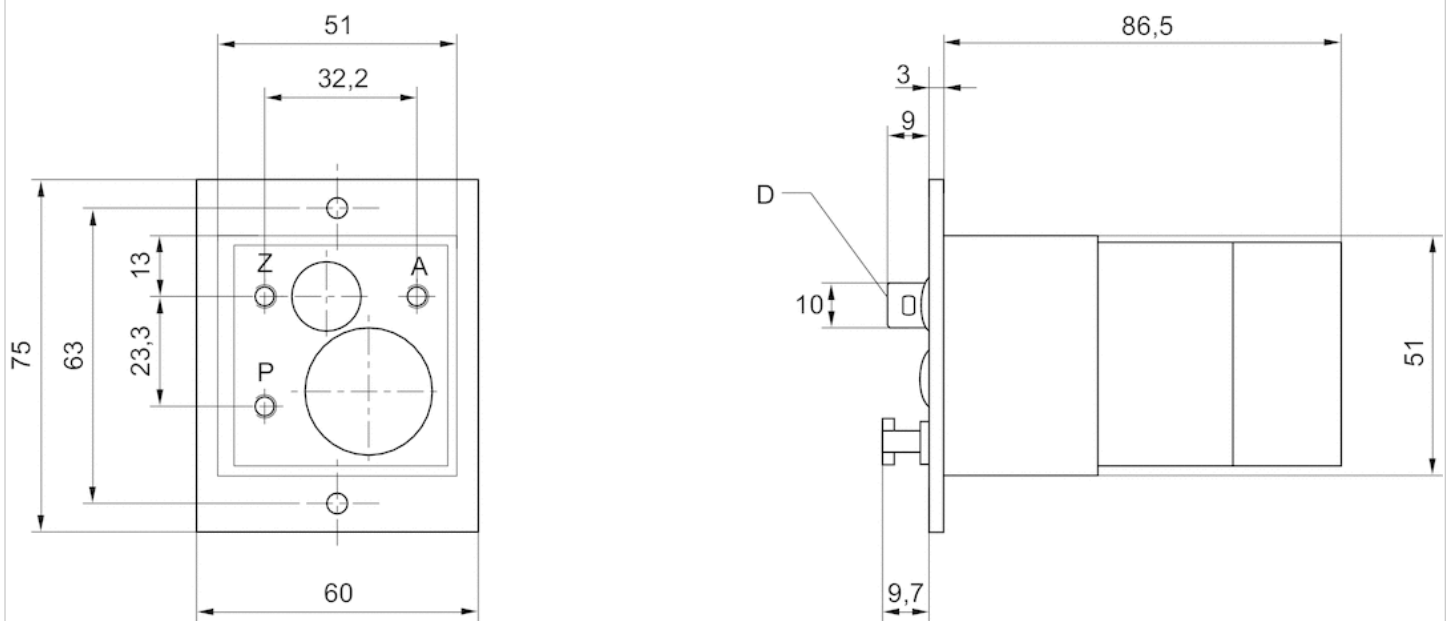
Included in the delivery contents:

2 oval head countersunk screws DIN 966 St M4 x 16

2 spring rings A4 DIN 124

2 hexagonal nuts M4 DIN 934

Fig. 3



P (1) = compressed air connection

Z = counting signal

A (2) = output signal

D = reset key

Included in the delivery contents:

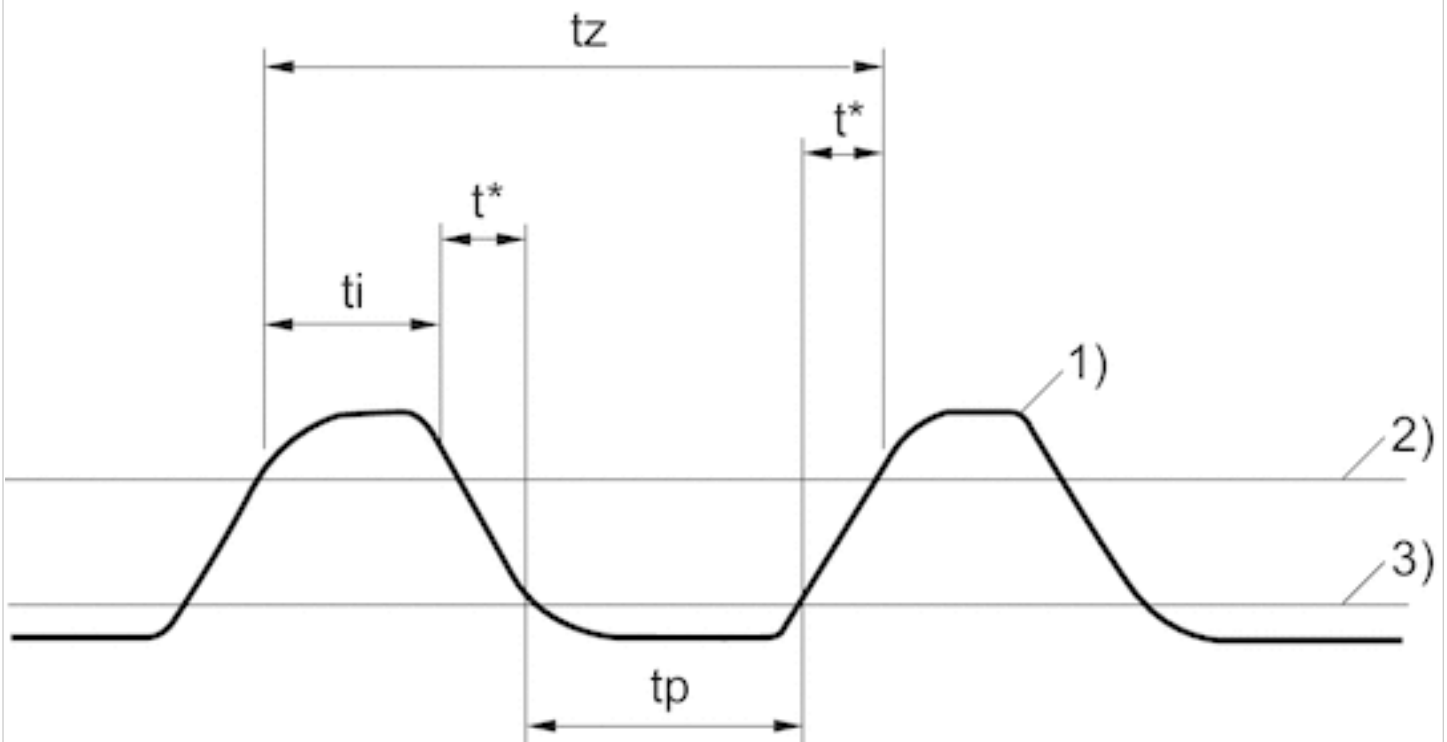
2 oval head countersunk screws DIN 966 St M4 x 16

2 spring rings A4 DIN 127

2 hexagonal nuts M4 DIN 934

Diagrams

Counting frequency



- 1) Counting impulse
- 2) Response pressure - 0.8
- 3) Release pressure - 0.15 bar
- t_i = min. pulse duration
- t_p = min. pause duration
- t_z = time for counting pulse = $t_i + t_p + 2t^*$
- t^* = dependent on pressure and pipe length (values must be determined)

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