

DIECON

Displaycontrollers





Model	AP20 Counter	AP21 SSI Display	AP22 Analog Display	AP23 Start / Stop Display
Applications	<ul style="list-style-type: none"> display position display velocity preset counter 	<ul style="list-style-type: none"> display position display velocity camcontroller 	<ul style="list-style-type: none"> display position display velocity over / underspeed detection 	<ul style="list-style-type: none"> display position display velocity preset counter
Frontsize	96 x 48 mm	96 x 48 mm	96 x 48 mm	96 x 48 mm
Display	8 digits, 10 mm height	8 digits, 10 mm height	8 digits, 10 mm height	8 digits, 10 mm height
Sensor inputs	1	1	1	1
Incremental input	y	-	-	-
SSI input	-	y	-	-
Analog input	-	-	±20 mA / ±10 V	-
Start / stop input	-	-	-	y
Analog output	±20 mA / ±10 V	±20 mA / ±10 V	-	±20 mA / ±10 V
Digital in	2	2	2	2
Digital out	4	4	4	4
Datamodule	-	-	-	-
Code data output	-	-	-	-
Cams	12 with hysteresis	12 with hysteresis	12 with hysteresis	12 with hysteresis
Nominal values	24	24	24	24
Communication	RS232	RS232	RS232	RS232
Cycle time	250µs	250µs	250µs	250µs
PC-software	DST2	DST2	DST2	DST2
Proces-time function	-	-	-	-
Difference measurement	-	-	-	-
Hold-reset function	-	-	-	-



AP40 Display Controller	AP80 Display Controller	AP90 Display Controller	Model
<ul style="list-style-type: none"> display position display velocity signal conversion <ul style="list-style-type: none"> camcontroller processtime (1/f) 	<ul style="list-style-type: none"> display position display velocity camcontroller signal conversion 	<ul style="list-style-type: none"> display position display velocity <ul style="list-style-type: none"> display difference value camcontroller signal conversion 	Applications
96 x 48 mm	144 x 72 mm	144 x 72 mm	Frontsize
8 digits, 10mm height	8 digits, 14 mm height	8 digits, 14 mm height	Display
1	1	2	Sensor inputs
y	y	y	Incremental input
y	y	y	SSI input
±20 mA / ±10 V	-	-	Analog input
y	y	-	Start / stop input
±20 mA / ±10 V	±20 mA / ±10 V	±20 mA / ±10 V	Analog output
4	6	8	Digital in
4	9	16	Digital out
-	24 in + 24 out / 32 out tristate	-	Datamodule
-	Binary, BCD, Gray, Petherick	-	Code data output
24 with hysteresis and dynamic cams	24 with hysteresis and dynamic cams	40 with hysteresis and dynamic cams	Cams
48	48	80	Nominal values
RS232 / RS485 / CAN	RS232 / RS485 / CAN	RS232 / RS485 / CAN	Communication
250 µs	250 µs	500 µs	Cycle time
DST40	DST80	DST90	PC-software
y	-	-	Proces-time function
-	-	y	Difference measurement
y	y	y	Hold-reset function



About Us

The Diegon brand is engineered and manufactured by tsb-systemen b.v., a company based in The Netherlands. Many years of experience in the field of positioning systems, position sensors and industrial applications has given us the know-how to develop state-of-the-art electronics for your applications.

Diegon products cover a wide range of applications, from simple indication of process values to complex applications like real-time signal conversion or high speed dynamic cams.

Diegon is used in many different markets: packaging, woodworking, infrastructure, heavy machine building, offshore, steel industry and many others. The products are designed to fulfill the needs of our international customers.

A team of specialists is working to provide you with the best solutions possible and make the Diegon brand to a world wide standard for high demanding applications.



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