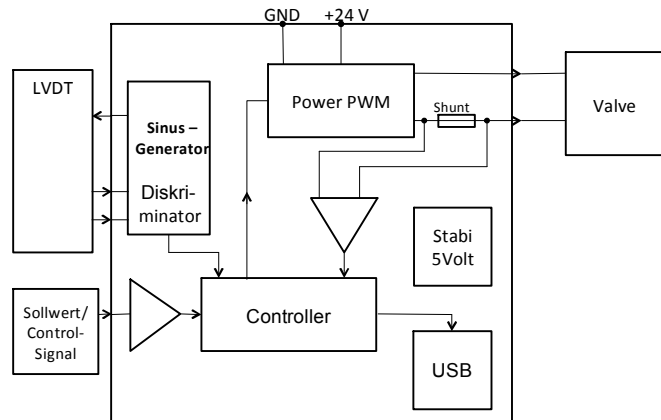## Characteristics of AE-2D

Technical Data AE-2D

Application	Control of servovalves with control current from 0mA to +/- 400mA or direct driven servovalves from 0mA to +/- 2.5A with LVDT
Signal / Driver	Digital
Power supply	24 VDC, min. 22 VDC, max. 27 VDC
Current limitation	Adjustable
Control signal	+/-10VDC, 4….20mA, +/-10mA
Control loop	Spool position feedback LVDT
PWM - Frequency	6 kHz
Temperature protection	If > 90°C = no function
Parameter setting	USB-interface (Mini-B)
Parameter software	Free download from Selec website "Downloads"
Operating system	Windows 98, 2000, XP, Vista, 7, 8
Short-circuit protection	Only coil short-circuit protection, no coil to GND protection
Enable signal	Optional

Software-Settings
- Choice of valves model (automatic load of default values)
- Current limitation
- Customer-Signal
- Zeropoint adjustment
- Gain
- Dither signal (amplitude and frequency)
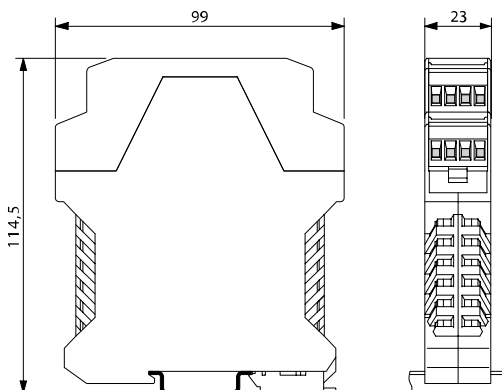- P and D values

Wiring plan AE-2D

Pin	Funktion	Pin	Funktion
1	GND (0V)	5	Not used
2	24VDC	6	In 1 LVDT
3	Valve	7	+9V
4	Valve	8	In 2 LVDT

Pin	Funktion	Pin	Funktion
9	Out 1 LVDT	13	Input command -
10	Out 2 LVDT	14	Input command +
11	GND	15	Current signal [*1]
12	Output spool position	16	Enable signal [*2]

*1 If current signal connect pin 15 with pin 13
*2 If enable signal connect pin 16 with Pin 2

Dimensions

Orderinformation

AE-2D

Code	Enable
A	No enable signal (standard)
B	With enable Signal

Code	Valve model	max. Current
A	S25, S100, DS6, DS11	± 250mA
B	S120, S300	± 250mA
C	D40V	± 1A
D	D40T	± 2A
E	D100T	± 2.5A
F	Non Selec valves	X