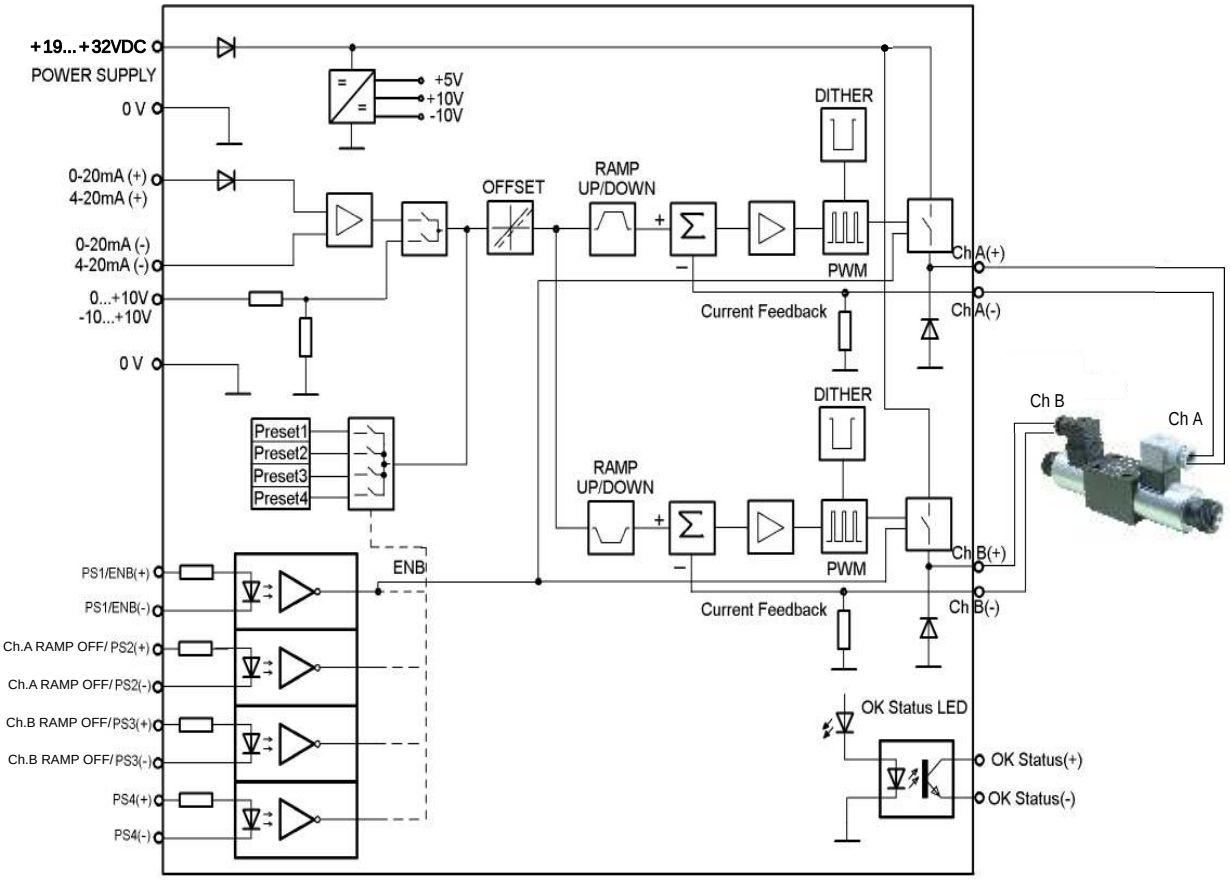
GENERAL DESCRIPTION

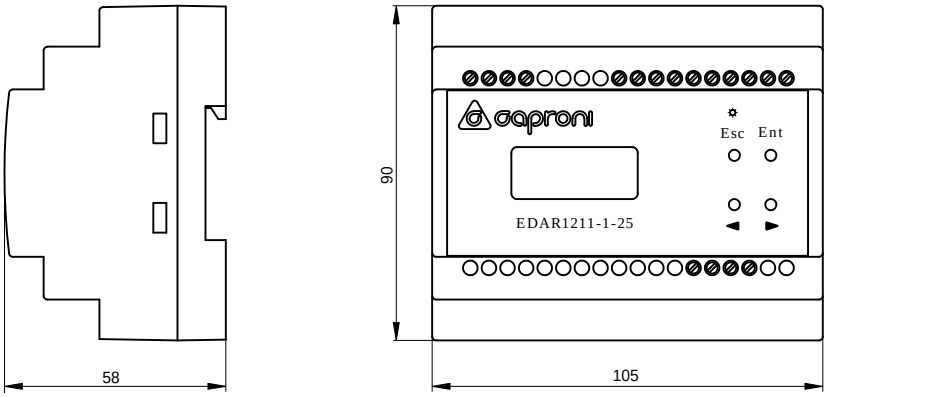
List: EDAR1211-2-25 Oct 2015

This digital amplifier EDAR 1211-2-25 is designed to control direct operated proportional directional control valves without feedback.
There are few adjustments for base parameters:
-Imax. to control the maximum current to the solenoid
-Imin. to correct the positive overlap (dead band elimination)
-Ramps to set increasing/decreasing time on channels “a” or “b”
-PWM to regulate hysteresis and stability (accuracy) of the valve -
high frequency - high accuracy , high hysteresys
low frequency - low accuracy , low hysteresys.
The adjustment sets realized by 4 push buttons on the front cover.
The amplifier is designed for rail mounting type DIN EN 50022.

BLOCK DIAGRAM



DIMENSIONS



TECHNICAL DATA

GENERAL

DATA	UNIT	VALUE/RANGE
Power supply	V DC	24 (19...32)
Max. power consumption	W	35
Max. output current	A	2,7
Power supply polarity protection		
Output short-circuit protection		
Available reference signals	V	0...+10 -10...+10
	mA	0...20 4...20
		4 presets value selected by 4 discrete inputs
Ramps		Two ramps for each direction according to rising and falling reference signal
Ramps (duration)	sec	0,01...9,99
Opto isulated output signal - “OK”	mA V DC	$I_{max.}$ = 50 $U_{max.}$ = 35
Opto isulated input signal - “ENABLE”	V DC	24
4 opto isulated input signal for preset values selection	V DC	24
PWM frequency	Hz	80...500
Reference signal offset correction	%	-9,99...+9,99
Mounting		Rail type DIN EN 50022
Ambient temperature	°C	0...50
Storage temperature	°C	-20...+50
Dimensions	mm	105x90x60