



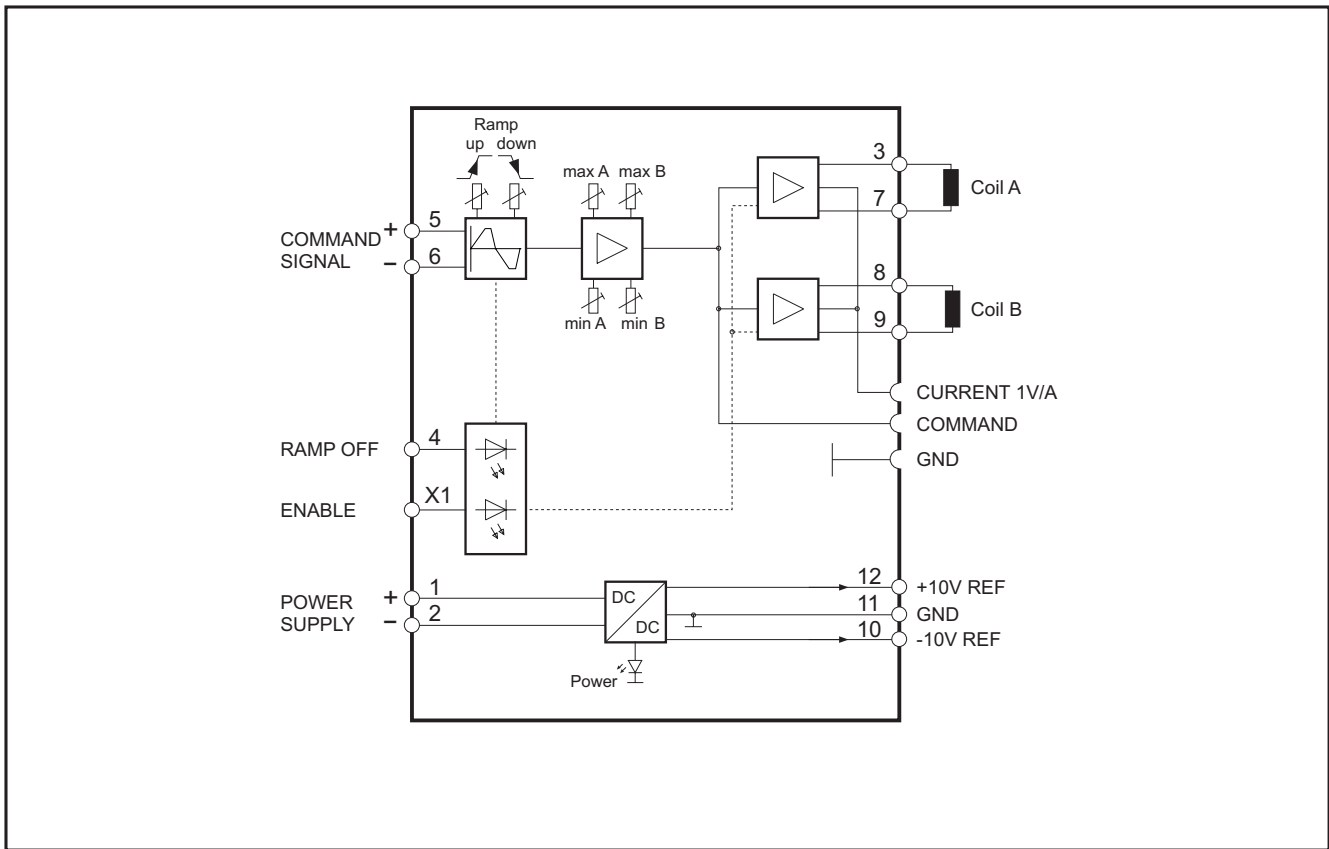
The AN422 servo amplifier module is intended for the control of proportional valves with two magnets.

The snap-on housing enables the AN422 module to be mounted on normal carrier rails in control cabinets. The electrical connections are via a terminal strip and a flat connector (enable input).

Four multi-turn resistors allow the adjustment of volumetric flow amplification (max. A, max. B), and lmin jump (min. A, min. B) to be made separately for each magnet.

The module has an integrated quadrant-sensitive ramp generator that allows adjustment of the ramp times (ramp up, ramp down) by means of two multi-turn resistances. The ramp can be switched off externally via an input (ramp off).

AN422 Servo Amplifier



Technical data:

Supply voltage	24V DC (22...32 V DC)	Measuring sockets	Current: valve current: 1V/A (10%) Command: setpoint signal (10V)
Auxiliary voltages	To supply an external setpoint potentiometer: +10V, max. 10mA -10V, max. 10mA	Multi-turn resistors	I _{max} : adjustable for magnet coils A & B I _{min} : adjustable for magnet coils A & B, up to 50% of I _{max} Ramp up: acceleration ramp, adjustable in ratio 1:50 Ramp down: deceleration ramp, adjustable in ratio 1:50
Temperature range	0 - 50 °C		
Output current	according to version 0... 800mA 0...1600mA 0...2500mA		
PWM frequency	Approx. 150 Hz		
Inputs	Various input modules are available: ±10V (differential input) 12mA±8mA (monitored diff. input) ±20mA (differential input)		
Enable	Input +24V, indication via 'Fail safe' LED		
Ramp off	Input +24V, indication via 'ramp off' LED		

Subject to change without notice

AN422_310307_Rev03