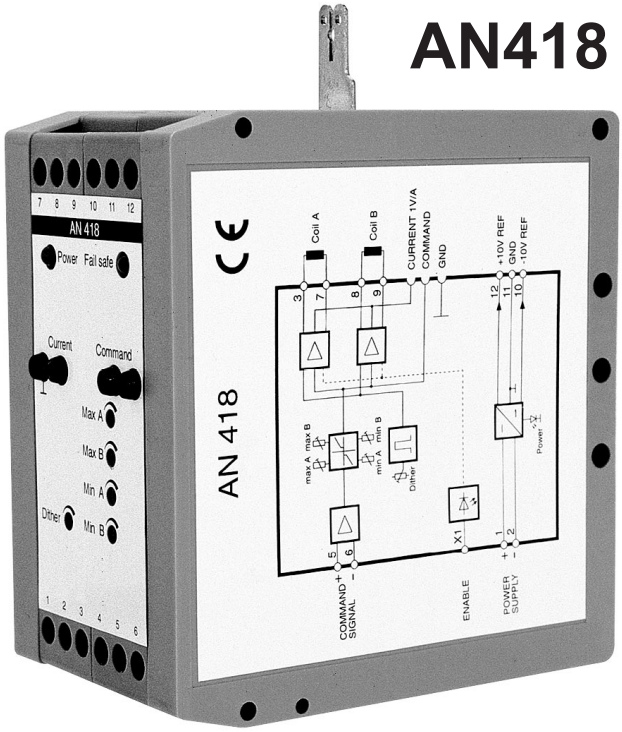
AN418 Servo Amplifier



The AN418 servo amplifier module is intended for the control of proportional valves with two magnets.

The snap-on housing enables the AN418 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).

The output stage is a duplex output stage with high-dynamic response and rapid de-excitation. These design features ensure rapid switch-off of the magnet coil (approx. 4...6 ms).

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

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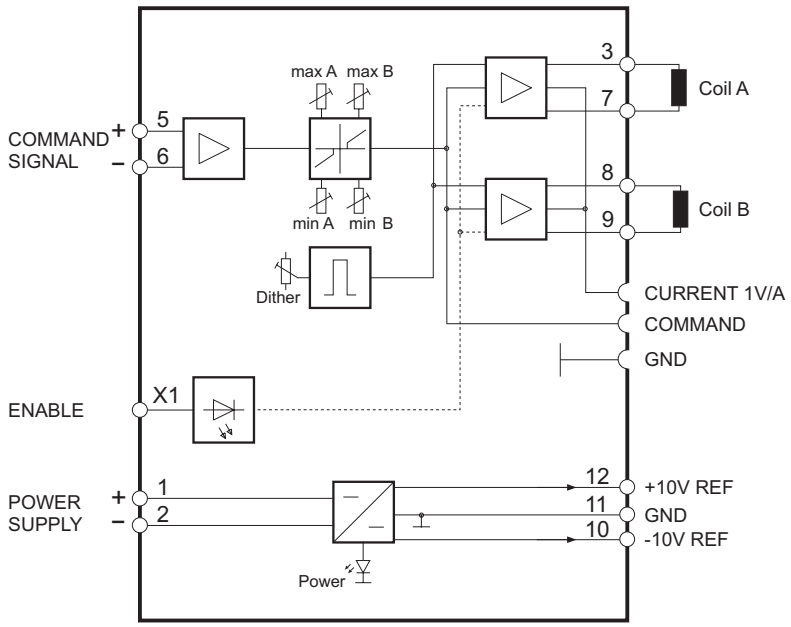

Technical data:

Supply voltage	24V DC (22...32 V DC)
Auxiliary voltages	To supply an external setpoint potentiometer: +10V, max. 10mA -10V, max. 10mA
Temperature range	0 - 50 °C
Output stage	Duplex output stage with high dynamic response and rapid de-excitation (approx. 4...6 ms)
Output current	according to version 0... 800mA 0...1600mA 0...2500mA
PWM frequency	Approx. 5 kHz
Inputs	Various input modules are available: ±10V (differential input) 12mA ±8mA (differential input)
Enable	Input +24V, indication via 'Fail safe' LED
Measuring sockets	Current: valve current: 1V/A (10%) Command: setpoint signal (10V)
Multi-turn resistors	Imax: adjustable for magnet coils A & B Imin: adjustable for magnet coils A & B, up to 50% of Imax

AN418_310307_Rev03