

High-Speed Solenoid-Valve Output Stage



Highlights:

- Closed-Loop Current Control
- High Voltage Range
- High Output Current
- Various Control Modes
- Robust Industrial Design
- 1 ch. High-Speed output
- 2 ch. Economic outputs

Applications

Valves, used in high-performance applications in terms of speed, frequency and flow need a closed-loop current control to achieve a precise and reproducible valve behavior. Additionally a fast opening and closing of the valve needs a high operating voltage. Our *High-Speed Solenoid-Valve Output Stage* combines an operating voltage of up to 48V with a closed-loop current control of up to 12A per channel.

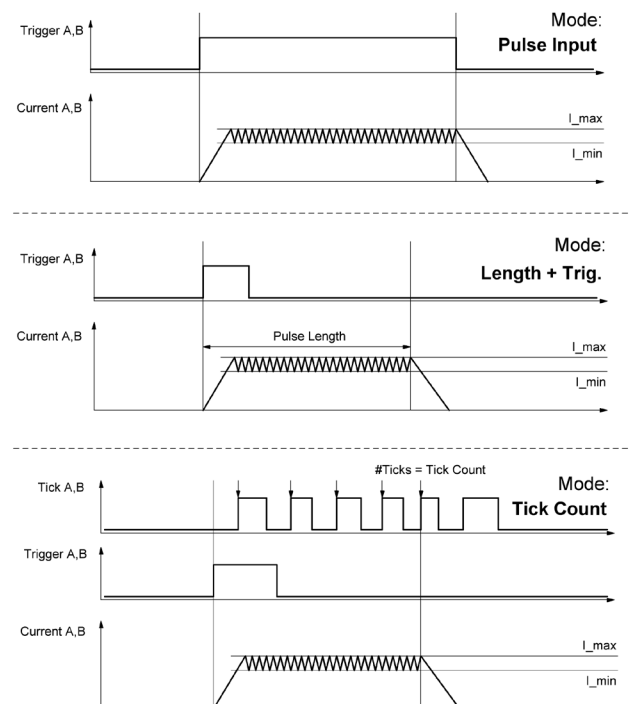
Technology

The output stage is realized in H-Bridge topology, which enables 1-channel full-bridge or 2-channel half-bridge connections. State of the art MosFET technology guarantees the high output power of over 2 x 500W. The current control loops are realized by hall-effect current sensors and a FPGA based state machine logic. A 32-Bit μC enables a customizable parametrization due to customers individual needs. The output stage comes within an industrial standard 22.5mm top hat rail housing.

Technical Data

Supply Voltage	13 .. 48V
Pulse length	0.1ms .. ∞
Max. Current	2x 12A
Trigger Inputs	5 .. 24V
Tick Inputs	5 .. 24V

Control Modes



Contact

KTW Systems GmbH, Gleeser Str.14,
56653 Wehr
info@ktwsystems.de
www.ktwsystems.com