

Electronic cards in industrial proportional technology

PD2 Electronics

The Wandfluh PD2 Electronics on the output side has a cable output for the free selection of the connecting plugs, or else it is installed directly on the solenoid. For both alternatives, the input signals are conducted through a cable connection. The PD2 Electronics is available in the version amplifier (open loop, without feedback value signal). The command value applied is conducted directly to the solenoid output. If required, a ramp (delay) can be set. The command value signal can optionally be a voltage, current, PWM or frequency signal. All common parameters can be directly set on the PD2 housing with push-buttons. The values set are displayed by a three-digit 7-segment display. This display also serves to indicate diagnostics and analysis data. As an alternative, the parameterisation software PASO can be used for the parameterisation. Thereby the set values can be indicated on a PC.

With the PD2 Electronics it is possible to control a 1-solenoid proportional valve in a simple manner. Proportional to the command value applied, a solenoid current is output. This current output is a **Pulse-Width-Modulated** signal, whereby the frequency is 1000 Hz. In addition a dither signal can be set which is superimposed on the solenoid current.

The PD2 Electronics can also be utilised for controlling a 1-solenoid switching valve. In doing so, it is possible to set a power reduction. Furthermore the PD2 Electronics is also available with a field-bus interface. Supported are CANopen and J1939. Via this fieldbus interface, the command value and enable are specified. The desired address can be set either directly via the push button on the PD2 housing or via the parametrising software PASO. The PD2 electronics can therefore be easily integrated into an existing CANopen fieldbus network as a slave.



Fig. The PD2 electronics can be integrated into an existing CANopen fieldbus network
<http://www.wandfluh.com/press/>

Wandfluh AG, Hydraulics + Electronics, Helkenstrasse 13, Postbox, CH-3714 Frutigen, Switzerland, Tel. +41 33 672 72 72, Fax +41 33 672 72 82, www.wandfluh.com, sales@wandfluh.com

Oil-hydraulic control and closed circuit control equipment NG3 to NG10 (2/2-directional control built-in valves up to NG40); proportional control valves, incl. electronics; valves with integrated electronics; miniature hydraulics NG3 and NG4; poppet valves, flow in both directions; spool valves with minimum leakage rates; modular design technology with slip-on - / screw-in cartridges ISO 7789; feed systems; soft-switching valves; special surface protection; explosion-protected valves; drive units; hydraulic systems; special equipment for oil-hydraulics and other fluids.

Western - and Eastern Europe, North and South America, Asia, Oceania, Southern Africa