

Press Release
April 24, 2012

Flexible CAN node for hydraulic controls

The control unit type CAN-IO 14 from HAWE Hydraulik SE, Munich, is a compact component for hydraulic applications. As a CAN bus slave, it provides the perfect enhancement for CAN bus-enabled controllers such as the programmable logic valve control type PLVC from HAWE. In this case it functions as a peripheral input and output node, receiving commands from the controller via the CAN bus and sending back the values of the inputs. This reduces the cabling expenditure for controlling distributed valve blocks of mobile machines.

The unit has four proportional and four PWM outputs, enabling up to four twin solenoids to be controlled. The six analog inputs can be switched between 0...10 V and 4...20 mA. Since all outputs can also be used as inputs, it is also possible to use this control unit as a dedicated input node, for example for monitoring the supporting of construction machinery in conjunction with proportional directional spool valves of type PSL CAN.

The type CAN-IO 14 can also be used on its own as a fully fledged control for valves and for processing data from joysticks and sensors. For this, users can freely program their own individual requirements and load them to the device via the CAN bus.

Since the unit has protection class IP 67 and is designed for a temperature range from -40°C to 85°C, users of mobile machines can rely on it functioning perfectly even in harsh outdoor environments. The protection class allows it to be mounted on machines outdoors and with its small dimensions of 60x60x30 mm the product takes up little space.

The price/performance ratio is particularly attractive for control units with the performance capabilities described. The parameterizing and diagnostic tool VT is also included in the delivery scope.

Press Contact: HAWE Hydraulik SE
Ulrike Ballnath / Marketing
Streitfeldstr. 25
81673 München/Germany

Tel.: +49 89 37 91 00-1411
Fax: +49 89 37 91 00-6411
u.ballnath@hawe.de
www.hawe.de

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Reader information and free documentation:

HAWE Hydraulik, www.hawe.de, info@hawe.de, Tel.: +49 89 37 91 00 0

Photo:

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The electronic control unit CAN-IO 14 can be used in a wide range of applications either on its own or in conjunction with other devices.

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