

# CAN Newsletter Online

ANNIVERSARY

## 20 years of CiA member

Walvoil (Italy) congratulated CiA to its 30-year anniversary. The company is CiA member since 2002. Since then, the company continued to apply CAN in various products and applications.



Walvoil joysticks then and now (Source: Walvoil)

On March 5, 1992, six companies and two individuals have established the CAN in Automation (CiA) international users' and manufacturers' group ([the CAN Newsletter reported](#)). Today, more than 700 companies and other legal entities have joined the nonprofit CiA association fostering CAN-based technologies, promoting international standardization and networking among member companies involved in many application fields.

Walvoil (Italy), congratulated CiA to its 30-year anniversary on its website. The company stated, that they are a great advocate of standards since the very beginning and they are a proud member of the association since 2002. "A long way has passed since we developed the first vehicle control element with compact joystick and buttons, the UPC230", the company said. The UPC230 is a

CiA-certified CANopen device. The CAN Newsletter magazine [reported about it](#) in its June issue 2010.

"Since then, we have continued to apply this communication protocol in various applications using it not only in joysticks but also in our CED400 control units, up to the latest products such as the joystick and MTH (multifunction handle)", the company extended its statement.

The CED400W is a microprocessor-based PWM driver designed to control eight proportional solenoid valves (4+4). In the controllers is always loaded the standard application software that is "ready-to-use" (e.g. for analog joysticks, CAN joysticks of fan drive) and the control parameters can be adjusted through the WST Studio software. The IP67-rated device comes with one CAN interface and a specific software for CAN directional control valve applications.

The company also provides various CAN-based joysticks. For example, the CJW series of joysticks. They are specifically-tailored to "off-highway" operating machines. The available outputs of the joystick are CANopen Safety, J1939, CANopen, Classical CAN, as well as Isobus (AUX-N compliant). The DJW joystick series is for Isobus and safety-related applications due to performance Level d / SIL 2 and its IP67/IPx9K rating. With the number of input pins, the joystick can collect all the signals of the handle (thumbwheels, push buttons, rocker switches, etc.) and send them over to the CAN network with J1939, CANopen, CANopen Safety, or Isobus protocol.



The DJW joystick is suitable for 12-V and 24-V applications thanks to the 8-V to 32-V power supply input range (Source: Walvoil)

The CPW CAN Hall effect double axis electronic pedal is also suitable for harsh environments and safety applications. With the Deutsch connectors and the electronic board potted with resin, the joystick base is sealed (IP67/IPx9K). The output signal is analog or CAN, the available protocols are J1939 and CANopen.

"For Walvoil, the best way to celebrate the 30<sup>th</sup> anniversary of the CiA and the 20<sup>th</sup> anniversary of our affiliation is to go on to develop our applications according to international standards such as the CANopen protocol", the company concluded.



The company proudly shows its CiA membership certificate on its website (Source: Walvoil)

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