



General

Weight	0.7 Kg
Operating temperature	-40 to +70 °C
Protection	outdoor use
Voltage supply	9 - 34 VDC
Current consumption (idle)	180 mA (28 VDC) 170 mA (14 VDC)
Data interface	RS232 (using IQANdevelop)
CAN hub	J1939 or other byte aligned CAN protocol

Outputs

Proportional current outputs	
Number	2 double
Signal range	60 - 1800 mA
Dither frequency	25 - 150 Hz
Dither amplitude	0 - 500 mA
Resolution	0.7 mA
Digital/ PWM (no current feedback)	
Number	6 / 3 double
Type	high side switch
Max load	3 A
PWM frequency	25 - 2000 Hz

Inputs

Voltage/Frequency	
Number	10/4
Signal range	0 - 5 VDC
Resolution	5 mV
Frequency range	2-10 000 Hz

Application

IQAN-TOC8 is a legacy standalone controller from the IQANdevelop platform of modules in the IQAN product group. These modules focus on flexibility, weather resistance and safety.

IQAN-TOC8 is a general purpose controller and communicates with a variety of input and output devices. It connects to a laptop PC and is programmed with IQANdevelop software. No Master module is required. It has proportional current outputs for valve control, digital/PWM outputs for auxiliary functions and analog/digital inputs for signals like pressure, RPM or temperature. The unit has a CAN hub designed to interface with a SAE J1939 network.

The IQAN-TOC8 has a flexible I/O interface. The same physical pin can be used for different types of I/O. New types of I/O such as digital PWM outputs increase the flexibility of the controller. The digital outputs have new features such as softstart and peak & hold.

The aluminum housing is designed to be rugged, but light and has a sealed, automotive AMP/Tyco power timer connector. The TOC8 has a membrane to prevent condensation inside the housing. This controller is designed for the outdoor environment.

The unit executes a self-test during start up and cyclic operation. An internal watch dog checks for software errors and will interrupt outputs if errors are detected. The IQAN-TOC8 is made using selected components and conforms to strict international requirements.

Diagnostics: If an error is detected an LED on the top of the controller flashes a sequence to indicate the nature of the error.

The TOC8 is not recommended for new installations.

Description

IQAN-TOC8

Ordering PN

5010024

