

General

Weight Operating temperature Protection Voltage supply Current consumption (idle)

0.7 Kg -40 to +70 °C outdoor use 11- 32 VDC 75 mA (28 VDC) 95 mA (14 VDC) Parker ICP (IQAN CAN Protocol)

Data interface

Outputs

Digital outputs Type Total load (all outputs)

Inputs

Voltage inputs Signal range Resolution Digital inputs Signal high Signal low 12 high side switch 20 A

8 (max)¹ 0 - 5 VDC 5 mV 20 (max)¹ 4 VDC - V_{BAT} 0 - 1 VDC

1) The flexible inputs and outputs share the same physical pins. The user defines the channels/pins with IQANdesign.

Expansion units IQAN System Products

Application

The IQAN-XS2 is an expansion module in the IQAN product group and is used with the IQANdesign platform. This unit is designed for high digital I/O count, weather resistance, and safety.

All IQAN expansion modules communicate with a master over a CAN bus. The XS2 module has a large number of inputs and outputs that allows the user to have fewer modules for digital signals.

The IQAN-XS2 can control valves using digital (on-off) output signals. The analog inputs accept 0-5V signals from input devices or sensors. These analog inputs may alternatively be used as high impedance digital inputs for switches. The XS2 also has a number of dedicated digital (on-off) inputs.

The aluminum housing is designed to be rugged, but light and has a sealed, automotive AMP/Tyco power timer connector. The XS2 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-XS2 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.

Description IQAN-XS2 Ordering PN 5010017



