

IQAN-XS2

IQAN System Products



General

Weight	0.7 Kg
Operating temperature	-40 to +70 °C
Protection	outdoor use
Voltage supply	11- 32 VDC
Current consumption (idle)	75 mA (28 VDC) 95 mA (14 VDC)
Data interface	Parker ICP (IQAN CAN Protocol)

Outputs

Digital outputs	12
Type	high side switch
Total load (all outputs)	20 A

Inputs

Voltage inputs	8 (max) ¹
Signal range	0 - 5 VDC
Resolution	5 mV
Digital inputs	20 (max) ¹
Signal high	4 VDC - V _{BAT}
Signal low	0 - 1 VDC

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

Application

The IQAN-XS2 is the next generation of 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

