

**IQAN-XP2**

**IQAN System Products**



**General**

Weight	0.7 Kg
Operating temperature	-40 to +70 °C
Protection	outdoor use
Voltage supply	9 - 34 VDC
Current consumption (idle)	105 mA (28 VDC) 90 mA (14 VDC)
Data interface	Parker ICP (IQAN CAN Protocol)

**Outputs**

Proportional current outputs	
Number	4 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	4/ 2 double
Type	high side switch
Max load	3 A
PWM frequency	25 - 2000 Hz

**Inputs**

Voltage/Frequency	
Number	4/2
Signal range	0 - 5 VDC
Resolution	5 mV
Frequency range	1-30000 Hz

**Application**

IQAN-XP2 is a legacy unit from the IQANdevelop platform of IQAN expansion modules. Key features for this type of module are flexibility, weather resistance and safety.

All IQAN expansion modules communicate with a master over a CAN-BUS serial link. Mobile machine I/O is controlled by selecting the appropriate expansion module from the IQAN product family.

The XP2 module has a flexible I/O interface which gives system designers increased options. The same physical pin can be used for different types of I/O.

Various types of I/O such as PWM outputs increase the flexibility of the module. Digital outputs have features including 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 XP2 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-XP2 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 XP2 is not recommended for new installations.

**Description**

IQAN-XP2

**Ordering PN**

5010016

