

IP3416 I/O Specifications

AC INPUTS

Input Voltage Range	110-220 VAC, 50-60 Hz
Commons	8 inputs per common
Input Current	3 mA @ 110 VAC 7 mA @ 220 VAC
OFF Current/Voltage	< 2 mA @ 20 VAC
ON Current/Voltage	> 7 mA @ 80 VAC
Input Filter	9 mSec Intelligent Filter

DC INPUTS

Input Voltage Range	5-24 VDC
Commons	One common. Inputs are bipolar.
Input Current	4 mA @ 5 VAC 20 mA @ 24 VAC
Maximum Voltage	36 VDC
OFF Current/Voltage	< 2 mA @ 1 VDC
ON Voltage	> 3 mA @ 4 VDC

DC HIGH SPEED INPUTS

Input Voltage Range	5-24 VDC
Commons	One common. Inputs are bipolar.
Input Current	4 mA @ 5 VAC 20 mA @ 24 VAC
Maximum Voltage	36 VDC (100 KHz)
OFF Current/Voltage	< 2 mA @ 1 VDC
ON Voltage	> 3 mA @ 4 VDC

ANALOG INPUTS

Resolution	10-bit
Maximum Error	0.2 %
Data Acquisition Time	2 mS per 8 points
Current Drain	< 1 μ A
OFF Current/Voltage	< 2 mA @ 1 VDC
ON Voltage	> 3 mA @ 4 VDC
Input Voltage	4 Inputs: 0-5 VDC 4 Inputs: 0-0.5 VDC up to 0-0.05 VDC Gain adjustable

AC OUTPUTS

Output Voltage Range	110 – 220 VAC
Max Current	8 A per point
Max leakage current	< 2 mA @ 110 VAC
Max inrush current	80 A @ 500 V for 1 ms
Commons	2 groups of Hot commons

DC OUTPUTS

Output Voltage Range	5 – 24 VDC
Max Current	8 A per point
Max inrush current	15 A for 1 ms
Commons	2 groups of negative commons

ANALOG OUTPUTS

Resolution	12-bit
Max Driving Load	1 K Ω @ 20 VDC
Input Types	0-20 mA 0-5 VDC 0-10 VDC -5-+5 VDC -10-+10 VDC