INTELLIGENCE
Building Automation System

INTELLIGENCE
Model IPM0804
IP Based 8UI/4DO/4AO Web Server Universal Controller

Features

- **Intelligent Stand AloneDirect Digital Controller**

- **8 Universal Inputs 4 Digital Outputs 4 Analog Outputs**

- **PID and On/Off Control Algorithms**

- **TCP/IP or RS-485 Communication**

- **Built-In Web Server Interface**

- **Integrated With All Intelligence Field-Controller**

The INTELLIGENCE IPM0804 is an intelligence IP Based Web Server stand alone controller that provides Direct Digital Control of packaged HVAC units, Air Handling Unit, Fancoil Units or Heat Pumps. It can be networked with other INTELLIGENCE field controllers such as, IPM1402, IPM0016, IPM0804 or LCU-100 through TCP/IP Network Protocol.

Inputs

A single IPM0804 can sense up to Eight inputs. Any inputs can be software defined as an analog (voltage or current), temperature, digital (on/off) or pulse counter. Thus, as a general purpose, INTELLIGENCE UNIT-302IP can be integrated with a wide range with a facility monitoring functions, such as: temperature, airflow, electrical submetering, Digital Voltage free contact or even security monitoring purposes.

Outputs

The IPM0804 contains Four Form A relay outputs that can turn building equipment on and off through a software configuration. On/Off Time scheduling can also be made through software.

Four analog outputs are also provided for either 0-10 VDC or 0-20 ma operation control of lighting dimmer, control valves or any control devices that need analog signals.

Communication

Communication to INTELLIGENCE IPM0804 is handled through TCP/IP or RS485 Communication Protocol with the ability to communicate to the users through System Server via TCP/IP or RS-485 ports
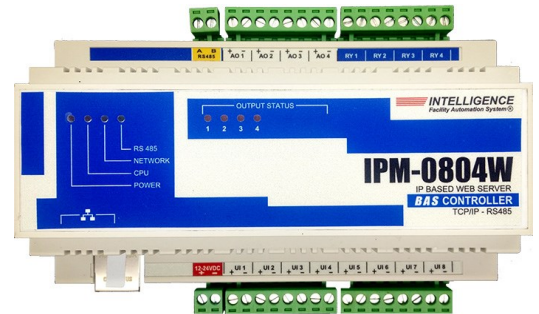
Specifications

Memory	512 EE Prom Falsh Memory
Power	24 VDC
Power Consumption	250 mA

Communications TCP/IP or RS485

Inputs:	8 Universal inputs that can accept

- Voltages 0-5 VDC
- Curent (4-20 ma)
- Resistance (0-1 MOhm)
- Thermister (Tyoe III)
- PT-1000
- Digital (on/off)
- Counter

Outputs:	4 single pole single throw (SPST) Form A relays
	4 X (0-20mA or 0-10 VDC) Analog Outputs

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