

INTELLIGENCE

Building Automation System

Features

- Intelligent Stand Alone Direct Digital Controller
- 16 Universal Inputs 8 X 20 Amp. Power Relays
- TCP/IP or RS-485 Communication
- Built-In Web Server Interface
- Integrated With All Intelligent Field Controller

The INTELLIGENCE LCU-100 is an intelligence IP Based Web Server Stand Alone Universal controller that provides Direct Digital Control of Lighting, packaged HVAC units, Air Handling Unit, Fancoil Units or Heat Pumps. It can be networked with other INTELLIGENCE field controllers such as IPM-1402, IPM-0808, IPM-0804 or IPM-0016 through TCP/IP communication network.

Inputs

A single LCU-100 can sense up to Sixteen 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 LCU-100 can be integrated with a wide range with a facility monitoring functions, such as: temperature, humidity, airflow, Digital Voltage free contact or even security monitoring purposes.

Outputs

The LCU-100 contains Eight 20 Amp. Power relay output that can turn building equipment on and off through a software configuration. On/Off Time scheduling can also be made through software.

Communication

The INTELLIGENCE LCU-100 fully-distributed architecture puts decision making into each individual unit for rapid response. TCP/IP communication protocol provides the LCU-100 with the ability to communicate to the users through System Server via TCP/IP or RS-485 ports.

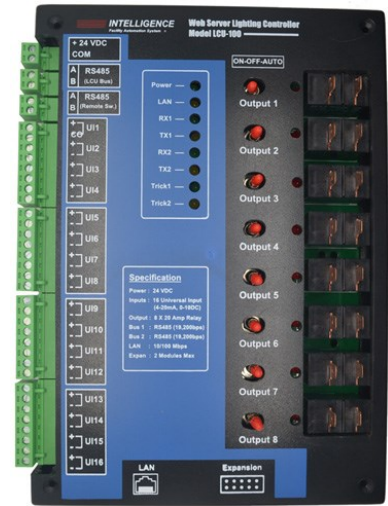
I/O Expansion

LCU-100 contains the I/O expansion port for the additional low cost power relay output or Dimmer expansion modules that can be plug directly on the bottom of the controller.

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Model LCU-100

IP Based Web Server 16UI/8 DO (High Power Relay) Universal Controller



Specifications

Memory Power 512K EE Prom Falsh
24 VDC

Power Consumption 100 mA (Relays off)
700 mA (Relay on)

Communications Through TCP/IP

Inputs: 16 Universal inputs that can accept

- Voltages 0-10 VDC
- Curent (0-20 ma)
- Resistance (0-1 MOhm)
- Thermister (Tyoe III)
- Digital (on/off)

Outputs: Eight 20 Amp(SPST) Form A Relays

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