i-Net™ Controller
In cabinet with power supply

Part Code: US-IA-ACU

OSDP™ **RoHS compliant** **UL CERTIFIED SAFETY SECURITY US BP21150**

The i-Net Intelligent Door Controller supports either standard Wiegand or OSDP readers. The controller is configured with Controlsoft's Identity Access software.

US-IA-ACU comes in a metal cabinet fitted with a UL Listed 4 Amp, 12V Altronix eFlow4NB power supply. The cabinet is designed to hold a 12AH battery and contains many cable entry and fixing points to make for an easy and tidy installation.

Features and Benefits

- UL Listed Altronix eFlow4NB Power Supply with fire alarm disconnect and overvoltage protection
- Space to fit additional PCB
- 50,000 card holders per controller
- 100,000 event logs
- 9 programmable inputs
- 4 programmable output relays
- Controls 1 door (IN & OUT) or 2 doors (IN & REX) using the 2 onboard Wiegand reader Interface ports
- Controls up to 4 doors (IN & OUT) using OSDP
- Offline controller with fully distributed intelligence
- 3 Year manufacturer warranty
- Reliable and robust operation

Technical

- Support for Wiegand or OSDP Readers
- Downloadable firmware
- Pulse or Toggle Door Control
- Ethernet or RS485 (100 feet) connection
- Four Form-C 2A @ 30VDC relay outputs
- Up to 10 Facility codes
- Input monitoring for REX, Door Contact, Fire, Door Override, Power Fail, Battery Fault and Tamper
- DIP switch selectable addressing
- Box Dimensions: 18"(H) x 15"(W) x 4"(D)
- Boxed weight: 14lb
- Operating temperature: 32 °F to 131 °F
- Humidity: 5% to 95% RHNC
- Approvals: FCC Part 15, CE, RoHS, UL 294

Product Information

The i-Net access control system architecture allows Ethernet (IP) connectivity directly from a door location to the Identity Access software. Up to 15 slave i-Nets can be multidropped downstream via RS485 while still providing the security, functionality and modularity of Controlsoft's proven hardware platform. The i-Net is scalable for any access control application, from the most basic to the most sophisticated.
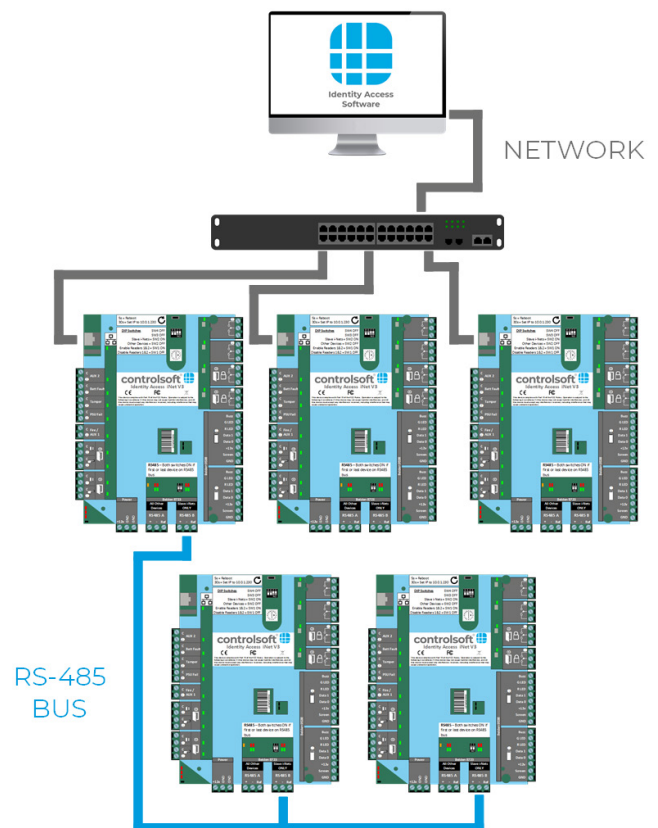
The i-Net includes four Form-C relay outputs (voltage free changeover contacts) and nine inputs that support normally open and normally closed circuits.

The US-IA-ACU also comes with a spares bag which contains the following items:

- 4 x Metal Oxide Varistor (MOV) which must be fitted to any lock with a coil
- Altronix PSU resistors and instruction manual
- Power Cord
- Battery Leads

Space for additional PCB (if required)

NETWORK

RS-485 BUS

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