Enhanced Site Control Unit (ESCU)

**Application**
- The Enhanced Site Control Unit (ESCU) is a communications hub and memory buffer that sits between Millennium devices (DCD/EDCDs, ECUs, etc.) and the Millennium software running on a computer/server. Depending upon system operational needs and configuration, a single ESCU can support up to 99 DCD/EDCDs or 4 ECUs and 10 ECDs.

**Features**
- All communications between the ESCU and the computer/server is IP which connects via an Ethernet socket on the ESCU. Communications between the ESCU and the Millennium devices is RS-485, on a twisted pair, shielded cable.
- When used with EDCDs, the communications speed on the RS-485 network can be as high as 38.4 k.

**Computer to ESCU Communications:**
- IP via the on board Ethernet connector and Cat5/Cat6 cable.

**ESCU to Millennium Device Communications:**
- Two wire, multi-drop, RS-485 via shielded, twisted pair

**Transaction History Buffer:**
- 2000 event on board storage

**Alarm Event History Buffer:**
- 100 software selectable priority event (alarms, com fail, etc.) storage
- These events are stored on-board if the ESCU is off-line with the host software. Stored events are sent to the host software once communications are re-established

**Circuit Protection:**
- Input power is protected from reverse polarity, over-voltage and transient surges

**Power Requirements:**
- 9-14 VDC, supplied by the PS1 power supply; Current consumption is 50mA nominal, and 90mA maximum

**Cover Tamper Switch:**
- On-board integrated tamper switch

**Approval and Listings:**
- UL 294 pending

**Operating Temperature:**
- 14° to 104°F (-10° to 40°C) less than 90% non-condensing humidity

**Dimensions:**
- 4.24” x 7.35” @ < 1lb
- 10.8 x 18.7cm @ < 0.45Kg

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**Specifications**

**Model #** | **Picture** | **Description**
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149-101992 |  | Site Control Unit (SCU)
060-10102 |  | Standard Back Box
041-100992 |  | Back Box with Lock Cover

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