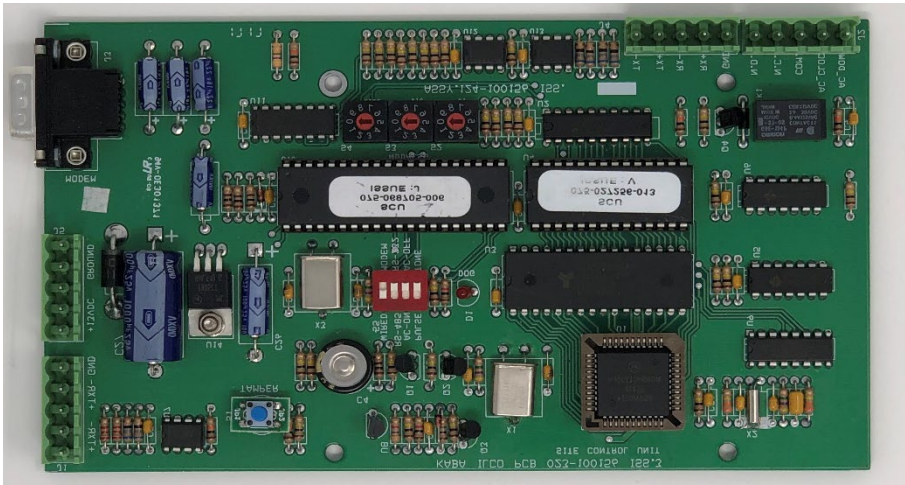


# SITE CONTROL UNIT (ESCU)



## APPLICATION

- ❑ The SCU (Site Control Unit) is a communications hub and memory buffer for the door controllers and other devices within the Millennium family. A single SCU can support up to 100 DCDs, 4 ECUs and 10 ECDs. On-board security measures ensure the integrity of data as well as preventing attempted hacking or pirating of accounts.

## FEATURES

- ❑ All bi-directional communications to and from the PC can use either RS-232 or RS-485 protocols
- ❑ Communications for the access control device node use a twisted pair, shielded cable on an RS-485 bus
- ❑ Up to 1000 fully supervised SCUs can be connected to a single PC running the Millennium Ultra software
- ❑ The SCU is compatible with all of the popular communication modes found in today's installation environments: dial-up, fiber optic, leased line, radio frequency, and TCP/IP Networking protocol



SCU



149-101117

Traditional site controller unit. Traditional supervisory controller for RS-485 access control. Must use Lantronix unit in conjunction for ethernet connection (051-507972- see Price book).



Enclosure

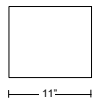


060-101025

Millennium Back Box package enclosure - with screw mounted cover.



Enclosure



041-100992

1 Board Surface Enclosure - Enclosure suitable for 1 Millennium circuit board, with camlock.

## SPECIFICATIONS

### Computer to SCU Communications

- RS-232 via DB-9F connector or a 4-wire RS-485 connection using terminal blocks. (RS-485 requires TIU)

### SCU Device Communications

- A twisted pair, multi-drop, RS485 polling scheme is used to communicate with other Millennium devices

### Transaction History Buffer

- 2000 event on board storage with a minimum 24hr backup

### External Clock Sync

- Terminal block connections are available for syncing the real-time clock to external AC source

### Priority Event Buffer

- 100 software selectable priority event(alarms, com fail, etc.) storage
- These events are stored on-board if the SCU 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

### Supervisory Relay

- A 2 Amp, 24 VDC, single Form C relay that changes state when the SCU loses communication with the other board system

### Operating Temperature

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

### 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

### Approvals and Listing

- UL 294

### Dimensions

- 4.24" x 7.35" @ < 1lb, 10.8 x 18.7cm @ < 0.45Kg