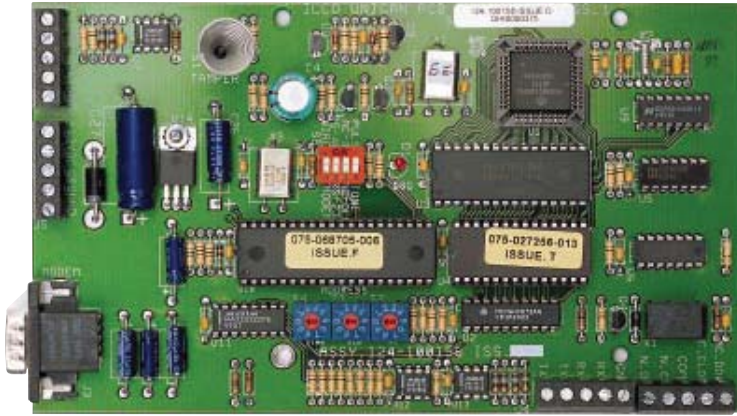


Site Control Unit (SCU)



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 ECU's and 10 ECD's. On-board security measures ensure the integrity of the 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 for Windows® 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

Specifications

Power Requirements:

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

Circuit Protection:

- Input power is protected from reverse polarity, over-voltage and transient surges

PC and 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, RS-485 polling scheme is used to communicate with other Millennium devices

Dial-up Modem Support:

- Hayes ATcommand set, at 9600 baud.

- Call back feature when event buffer is 80% full, or following specific events

Supervisory Relay:

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

All Events History Buffer:

- 2000 event, stored in RAM memory with a minimum of 24 hours backup

Priority Event Buffer:

- 100 software selectable priority events (alarms, com fail, etc.)
- These events are stored on-board if the SCU is off-line with the host computer. Stored events are sent to the host computer once communications are re-established

Cover Tamper Switch:

- On-board integrated tamper switch

External Clock Sync:

- Terminal block connections are available for syncing the real time clock to an external AC source
- Used for international AC situations and infrequent call-ins

Approval and Listings:



- UL 294


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

Model #	Picture	Description
149-101117		Site Control Unit (SCU)
060-101025		Standard Back Box

Model #	Picture	Description
041-100992		Back Box with Lock Cover

See page 19 for enclosure specifications