BioEntry Plus

Firmware Revision Notes

Version 1.4

Revision Notes

Firmware Version 1.4 **Build Number V1.4_091223** 2009-12-23

- Support extended alarm zone operation.

  - It is possible to configure any input port of BioEntry Plus as an external sensor input for extended alarm zone.

  - It is possible to configure any input port of BioEntry Plus as an external arm/disarm input for extended alarm zone.

  - It is possible to configure any output port of BioEntry Plus as an arm/disarm status output for extended alarm zone.

- Support arm/disarm initiation on alarm zone by pre-defined keypad.

- Support a turnstile-type door.

  - It is possible to configure BioEntry Plus to close door upon sensing door status input within door open time.

- Server matching mode is reinforced.

  - BioEntry Plus will automatically switch to local matching mode upon detection of disconnection with server.

- Support Wiegand output of card ID in case of template-on-card matching.

Firmware Version 1.3 **Build Number V1.3_090612** 2009-06-12

- Support Extended Wiegand mode.

  - BioEntry Plus of Extended Wiegand mode is capable of conventional Access Control Unit with regards to 3rd party RF reader.

    - 3rd party RF reader attached to a BioEntry Plus Wiegand mode of which is configured as Exctended will be added and recognized as an independent device within BioStar V1.2 or later.

    - Once attached, such a RF reader can act as a Door or Zone device.

- TCP Keepalive mechanism is enabled to facilitate detecting abnormal link down.

- Parameter checking is reinforced to prevent device from saving invalid configuration data (especially by misuse of SDK APIs).

- Card ID data is pre-processed before being used as per achieving compatibility with different formats from various RF readers having their own Wiegand format.

- Held open alarm is automatically released after the door is recognized to be closed.

Firmware Version 1.2   Build Number V1.2_081006   2008-10-06

- Support BioStar, a new access control software of Suprema.

  - Key differences of BioStar over BioAdmin in terms of BioEntry Plus firmware are as follows:

  - Door configuration

    ◆ One device can control only one door, i.e., 'two door' mode is not supported. Activating an additional relay is possible, though.

    ◆ "Door relay" can be set as the device's own relay, other device's relays or SIO's relays in the same RS485 network. (SIO means Secure I/O)

    ◆ "RTE" or "Door sensor" can be set as the device's own input of SIO's input in the same RS485 network. (SIO means Secure I/O)

  - RS485 network

    ◆ In a RS485 network, a host device should be unique and the number of slave devices is up to 7, among which 4 SIOs can be included by maximum.

    ◆ If a host device is connected to PC by LAN, it is possible to access data of RS485-networked slave devices from PC. It means, LAN connection is not necessary between PC and slave devices.

    ◆ Except "Door configuration", it is not possible to control or monitor other device's relay or input ports in a RS485 network.

  - Zone configuration

◆ Access Zone, Alarm Zone and Fire Alarm Zone are newly supported.

◆ In Access Zone, user data, logs and time information can be synchronized among a master and member devices.

◆ In Alarm Zone, any device can be set as a Arm or Disarm device and monitor any 'intrusive' action by specified input ports, and make alarming actions on that occasion.

◆ In Fire Alarm Zone, the devices monitor a specified input sensor and forcibly open all doors or do alarming action in case of fire alarm.

● TCP/IP performance is improved in many cases.

● Command card functionality is newly supported on Mifare card.

● APB zone is supported for a user templates saved in a Mifare card.

● Authentication will succeed on APB/Entrance Limit zone member device in case the device is not actually connected with zone master device.

● Solved problems for which a device will not connect to BioAdmin server after LAN cable disconnected and reconnected.

Firmware Version 1.1   Build Number V1.1_080602   2008-6-2

● Standard template format, as defined in ISO 19794-2, is supported.

● Fake finger detection option is added. This option enhances security level by detecting fake fingerprint inputs, but does not guarantee 100% detection.

● The sensor driver is fine-tuned to enhance the authentication performance.

● New hardware revision is supported. The following features are provided only in the new hardware with 8MB flash memory.

■ The capacity for fingerprint templates is increased to 10,000 from 5,000.

■ Network reset switch is added. Refer to BioEntry Plus Installation Guide for details.

Firmware Version 1.0   **Build Number V1.0_071009**   2007-10-9

- Created.