Architect & Engineer Specification

IP-RFL200 ASK Format Standalone Proximity Access Controller
October 4, 2005

1   Introduction
The intent of this document is to describe the specification of IP-RFL200 ASK format standalone proximity access controller manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

2   Description
The IP-RFL200 ASK format standalone proximity access controller shall provide total control of access control for single door. With built-in 125KHz proximity reader, it shall dynamically control up to 512 users including Master card and provide event data safety mode once power failure and power fail safe or power fail secure locks function. Combined with RFL Pro software, the IP-RFL200 shall provide easy yet secure access control solution.

3   Mechanical Specification
3.1   The IP-RFL200 proximity reader shall measure 4.9" x 1.8" x 0.8" (124 x 45 x 20.84mm). IP-RFL200 shall arrive disassembled and contains following;
    3.1.1   A wall mounting plate
    3.1.2   The body that mounts to the wall mounting plate
3.2   The IP-RFL200 shall have a dark pearl gray body
3.3   The IP-RFL200 shall weight 80g (Packaged weight for shipping shall be 200g)

4   Electrical Specification
4.1   The IP-RFL200 shall indicate its status through red and green 6 LEDs.
4.2   The IP-RFL200 shall operate on 12V. Max 150mA.
4.3   The IP-RFL200 shall have Watch-dog timer & Power on Reset.

5   RFID reader Specification
5.1   The IP-RFL200 shall include built-in 125KHz RF reader.
5.2   Reading Range of IP-RFL200 shall vary depending on the types of the card that are used. The IP-RFL200 shall accept following proximity cards with stated reading range.
    5.2.1   Passive cards that are stated below shall operate with the IP-RFL200 and shall have declared reading range.
        5.2.1.1   IPC 80 card (ISO credit card size and thickness) shall have 4 inch (10 Cm) reading range.
        5.2.1.2   IPC 170 card (clamshell card) shall have 4 inch (10 Cm) reading range.
  5.3   IP-RFL200 shall have 30ms reading time.

6   Environmental Specification
6.1   Operating Temperature
    6.1.1   The IP-RFL200 shall operate temperature between -35° C ~ +65° C
6.2   Operating Humidity
    6.2.1   The IP-RFL200 shall operate humidity between 10% ~ 90% RH(Non-condensing)

7   **Certification and Approvals**

    7.1   The IP-RFL200 shall have following certification

        7.1.1   FCC certification

        7.1.2   UL certification

        7.1.3   CE certification

        7.1.4   MIC certification

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