

*Proximity Vandal Resistant  
Single Door Access Controller*

## RFL200V

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### 1. General

RFL200V Vandal Resistant Standalone proximity access controller provides total control of access control for single door. With built-in 125KHz proximity reader, it dynamically controls up to 512 users including Master card and provides event data safety mode once power failure and power fail safe or power fail secure lock function.

**Warranty** : Limited Lifetime

**Certificate and Approvals** : FCC certification, KC certification, CE certification

**Tags** : One Master Card and 5pcs of IDK50 (keyfob) are included, and tag purchasing is not necessary for small business.

### 2. Specification

#### A. Mechanical Specification

- I. Power : 12 V DC/Max. 110mA
- II. Identification Mode : RF
- III. LED : 5 LED Indicators
- IV. Piezo Buzzer ; Used for all alarms.
- V. Physical Specifications
  - Dimension (W x H x T) : 120 x 45 x 26mm (4.72" x 1.85" x 1.02"),
  - Weight : 250gr (0.55LBs)
  - Color / Material : Silver and Black / Polycarbonate & Aluminum Die Casting
- VI. IP rating : Available for Outdoor, IP68
- VII. Environmental Specifications
  - I. Operating Temperature : -20°C ~ +65°C (-4~ 149 °F)
  - II. Operating Humidity: 10% ~ 90% Relative Humidity, Non-Condensing

#### B. RFID Module Specification

- I. Built-in 125KHz IDTECK credential format (IDC format) (EM format optional) module
- II. Reading Time (card) : 30 ms
- III. Reading Range (Compatible Card Type)
  - IDC 80 / IDC170 (ISO card size and thickness) : Up to 4 inch (10 Cm)
  - IDK 50 key tag : Up to 2 inch (5 Cm)
  - IMC125 mini proximity Sticker Tag : Up to 2 inch (5 Cm)

#### C. Input Specification

- I. 3 EA: Exit Button, Door Sensor, AUX#1

#### D. Output Specification

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- I. 2ea : (TR Output / DC12~18V, Rating Max 2A, Lock Output)
- II. Supports Lock, Turnstiles, Boom Barriers, Bollard, Full Height Turnstile connectivity

### **E. System Specification**

- I. CPU : Dual 8 bit Microprocessor.
- II. Program memory of 64KByte ROM, 4KByte Flash Memory
- III. Authorization Mode : Card Only
- IV. Supports System Reset Function by Self-Diagnosis (Watchdog Function)
- V. Supports Fail Safe Operations
- VI. Supports Door Opening Time Programming, 1~99seconds
- VII. Registerable Users: Up to 512 Users with 256 Event Buffers

### **F. Recommended Cable Specification**

- I. DC12V Power and Controller : 18 AWG, 2 conductor, maximum 9 ft (3meter)
- II. Input and Controller : 2 Conductors (22 AWG), maximum 980ft (300meter)
- III. Output and Controller : 2 Conductors (18 AWG), maximum 980ft (300meter)

#### **IDTECK Co., Ltd.**

3F, Ace Techno Tower Bldg., 468, Gangseo-ro, Gangseo-gu, Seoul, 07573, Korea

Tel: +82-2-2659-0055 Fax: +82-2-2659-0086 Email: [webmaster@idteck.com](mailto:webmaster@idteck.com) Website: [www.idteck.com](http://www.idteck.com)

#### **IDTECK Global, Inc.**

1555 W. Redondo Beach Blvd., Suite 100, Gardena, CA 90247 USA

Tel: +1-310-819-8115 Email: [techsupport@idteckglobal.com](mailto:techsupport@idteckglobal.com) Website: [www.idteckglobal.com](http://www.idteckglobal.com)

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