April 19,2024

Addendum #1

Access Control System Installation Bid #24001

The Rochester Housing Authority is extending the deadline for bids for this project until May17th at 4:00pm. There is a deadline for follow up questions to this addendum is April 26th at 4pm.

Based on the questions received after the walkthrough, I have speced out a system from Viking security that I feel meets our needs. The system does not need to be from Viking, but it must be equivalent. It must meet the following parameters:

Proximity controller
Features
- Up to 250 tenants
- Program and control with a touch tone phone
- Use with any 26 bit Wiegand device
- Supports 1 entry point
- Compatible Readers proximity card readers
- Non-volatile memory (no batteries required)
- LOG BUS data output for logging entry events
- Card plus keypad mode for highest security
- One time codes for visitors
- Bi-directional (entry and exit) control

Specifications
- **Power:** 120V AC/12V DC 500mA, UL listed adapter
- **Environmental:** 32°F to 90°F (0°C to 32°C) with 5% to 95% non-condensing humidity
- **Relay Contact Ratings:** 5A @ 30V DC/250V AC max
- Maximum Wiegand Length: 152m (500 ft) with 24 AWG Maximum LOG BUS Length: 5280 ft / 1 mile (1610m), 24 AWG
- **Connections:** 11 screw terminals, (1) RJ-11 telco jack

Proximity Reader
Features
- Read range of up to 6 inches
- Standard 26-bit Wiegand interface
- Technologies supported: All current and legacy protocols 125Khz proximity protocols
- Compact size allows mounting to mullion, door or window frame
- Designed for outdoor use, with Enhanced Weather Protection
- Designed to meet IP66 Ingress Protection Rating
- Pigtail connection for easy installation
- Red LED indicates power and flashes off during card read
- Transducer provides beep during card read
- CE marked

Specifications

- **Power:** 5-14V DC 45mA – average, 80mA – peak.
- **Dimensions** 3.2" x 1.7" x 0.7"(80mm x 43mm x 17mm)
- **Environmental:** -40° F to 150° F(-40° C to 65° C) with 5% to 95% non-condensing humidity
- **Connections:** 18" long pigtail leads, 24 gauge
- **Technologies Supported:** All current and legacy protocols 125Khz proximity protocols

Apartments intercom
- Standard wall mount IP telephone with keypad (Yealink/Polycom/etc.) for apartment intercoms

IP entry phone with built in directory and proximity reader (outside door station)
Features
- Vandal Resistant Features
    - 14 gauge louvered 316 stainless steel faceplate
    - Permanent laser etched graphics
    - Speaker and mic screen
    - Heavy-duty metal keypad buttons
    - T-10 Security Torx drive mounting screws
- Weather Resistant Features
    - Marine grade 316 stainless steel faceplate ----and screws
    - Keypad internally sealed per IP67
    - Mylar speaker
    - Self-draining mic mount
    - Gaskets for faceplate, mic, and speaker
    - Enhanced Weather Protection (EWP)
- Built-in 125 KHz 26-bit Wiegand proximity card reader with LED, "beep" read confirmation, and EWP board protection
- Two sets of SPDT 2 Amp relay contacts for controlling a door, gate, or camera---
- Optional RC-4A for secure remote relay control, see DOD 582
- Blue "Call/Status" LED indicator
- SIP compliant
- PoE powered (class 2, <6.5 Watts)
- Automatic Noise Canceling (ANC) feature for clear audio even in noisy environments
- Viking's proprietary VOX switching eliminates the need for "Push to Talk" mode
- Network downloadable firmware
- 26 bit Wiegand input for optional proximity card readers
- Programmable to speed dial up to 12 numbers
- Cycles to rollover phone number on busy or no-answer
- Program up to 1,000 keyless entry codes--- and/or proximity card numbers
- Keyless entry codes and proximity card numbers can be programmed to only allow access at specific times and days of week
- Event logging with time and date stamp
- Hangs up on: busy signal, time-out, or touch tone command
- Program remotely
- Extended operating temperature range: -40°F to 140°F (-40°C to 60°C)
- Enhanced Weather Protection to meet IP66 Ingress Protection Rating
- Adjustable volume for microphone and speaker
- Selectable auto-answer feature for monitoring
- Zinc plated steel rough-in box included
- With Long Range RFID Receiver---
- With Surface Mount Boxes
- With light kit to illuminate the front panel at night
- Diagnostics for testing mic, speaker, and relays

Specifications
- **Power:** PoE class 2 (<6.5 Watts)
- **Dimensions – Overall:** 5" x 10" x 2.5" (127mm x 254mm x 63.5mm)
- **Dimensions – Rough-In Box:** 4.5" x 9.12" x 2.5" (114mm x 232mm x 64mm)
- **Operating Temperature:** -40°F to 140°F (-40°C to 60°C)
- **Humidity:** Up to 100%

- **Audio Codecs:** G711u, G711a, G722
- **Network Compliance:** IEEE 802.3 af PoE, SIP 2.0 RFC3261, 100BASE-TX with auto cross over
- **Connections:** (1) RJ45 10/100 Base-T, (10) gel-filled butt connectors

Surface mount box
Features
- Surface mounts to a wall, post, single or double gang box
- Compatible with Viking gooseneck pedestals
- Adds weather and vandal resistance
- Heavy duty, black powder painted steel

Specifications
- **Dimensions:** 5.22″ x 10.14″ x 3.69″ (133mm x 258mm x 94mm)
- **Material:** 16 gauge CRS
- **Finish:** UV stable black fine texture powder paint

Additional Items
PROXIMITY KEY RING FOB
Features
- Industry standard 125KHz RFID technology
- 26 bit Wiegand format
- Non-contact reading for long life
- Use with all current and legacy proximity card readers
- PRX-FOB is a durable key ring fob with a IP67 rating allowing it to even withstand the washing machine
- Up to 253 facility codes and 65,534 card numbers available
- Cannot be erased by a magnet
- For Long Range Applications

Specifications
- **Dimensions:** 1.5" x 1.2" x 0.15" (38.1mm x 30.5mm x 3.8mm)
- **Facility Code Range:** 2 – 255
- **Card Number Range:** 1 – 65,535
- **Format:** 26 bit standard Wiegand
- **Operating:** Frequency: 125kHz

Products selection:
1. The **IP entry phone** is chosen because it has all of the control and access database built in with IP programming and ability to change programming over the network. It also has a built in directory for ease of use.

2. The **Proximity controller** is chosen as the standalone door access control for cost reasons, however it only allows for local touch tone programming of the badge codes.

3. The **Proximity controller and Proximity Reader** units could be changed out for a K-1270-IP to allow network based control over the programming and logging if that is preferred. A K-1200-IP placed inaccessibly with a PRX-1 proximity reader attached could also be used if the entry phone is too large for the badging area.

4. The **IP entry phone** will be used in a peer-peer mode so as not to require a SIP server for the apartment units.

5. Programming software is a free download from our website.

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