



Proximity and Vicinity/Mifare Desktop Credential Readers Installation Instructions

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Introduction

The Proximity and Vicinity/Mifare Desktop Credential Readers are enrollment readers that provide a fast, easy, error-free method of entering badge IDs into your access control software. The Proximity Desktop Credential Reader is compatible with GE Proximity cards. The Vicinity/Mifare Desktop Credential Reader is compatible with Vicinity (ISO 15693) smart cards and Mifare (ISO 14443) smart cards reading the card serial number (CSN).

Note: The Mifare/Vicinity Desktop Credential Reader does NOT support Mifare credentials that have over 4K of chip memory. This includes Mifare UltraLight credentials.



Minimum requirements

- Windows NT, Windows 2000, or Windows XP
- One available USB port per reader

Installation

For a successful installation and configuration:

- Install the reader on the computer
- Install the configuration software

Installing the reader on the computer

1. Locate an open USB port on the computer.
2. Plug the reader connector into the open USB port on the computer.
3. The computer automatically detects the reader and installs it as a Hardware Interface Device.

Installing the configuration software

Installing the configuration software is NOT required for the following credentials:

- Proximity: Factory Default (12 digits)
- Vicinity: Factory Default (16 digits)

For Mifare (10 or 12 digits) or Vicinity (12 digits) credentials or to append keystrokes, install the configuration software.

To install the Windows-based Configuration Utility:

1. Go to:
<http://www.rfideas.com/html/downloads.html>
2. Click:
pcProx RS-232 & USB and AIR ID Enroll Configuration Utility
3. Download the file pcProxConfig.exe and save to your computer. Make note of where the file is saved.
4. Run pcProxconfig.exe and follow the installation wizard instructions.

After the installation, refer to the *pcProx & AIR ID@ Enroll User's Guide* (filename is pcProx.pdf) for more information. This document can be found in the directory in which the utility is downloaded.

Changing the reader configuration

To set the credential reader to read Mifare (10 or 12 digits) and Vicinity (12 digits), load the pre-configured templates:

1. Verify that the reader is connected to the computer. If it is not, refer to [Installing the reader on the computer](#).
2. Click **Start, Programs, RF IDEas, pcProx**, then **pcProx.exe**.
3. Select **File**, then **Open**.
4. Using the **Look in:** field, navigate to:
C:\Program Files\RF IDEas, Inc\pcProx
5. Select the correct file for your site:

Configuration	Template name
Vicinity 12 digits	GE_Vicinity_12.hwg
Mifare 10 digits	GE_Mifare_10.hwg
Mifare 12 digits	GE_Mifare_12.hwg

6. Click **Open**.
7. Click **Write to pcPROX or AIR ID** to load the template into the desktop reader.
8. Click inside the test field. (Use this field to view card data.) Make sure the blinking cursor appears in the test field.
9. Present the credential to the desktop reader. The LED on the reader turns green, and the badge ID number appears in the test field. If the badge number does not appear in the field or is not the correct number of digits, consult the *pcProx & AIR ID@ Enroll User's Guide*.

Using the desktop credential reader for enrollment

1. Go to the Badge form in your access control software. This is the form where information regarding the badge is entered.
2. Place the cursor in the badge ID number field.
3. Present the badge to the Desktop Credential Reader. The LED changes to green when the badge is read, and the badge ID number displays in the active field.
4. Complete the normal enrollment process.
5. Repeat the process for each enrollment.

Specifications

Typical maximum read range	Up to 3.00 in. (7.6 cm)
Dimensions	2.50 in. (6.35 cm) x 4.20 in. (10.60 cm) x 0.875 in. (2.2 cm)
Power supply	5.0 V supplied by USB port
Indicators	Two-state LED
Limited warranty	One year
Listings	CE FCC Part 15 Certification

Limited warranty

GE warrants to the original buyer of this product, that the hardware and related disk(s) are free of defects in material and workmanship for a period of one year from date of purchase from GE or from an authorized GE dealer. Should the GE products fail to be in good working order at any time during the one-year period, GE will, at its option, repair or replace the product at no additional charge, provided that the product has not been abused, misused, repaired or modified. This warranty shall be limited to repair or replacement and in no event shall GE be liable for any loss of profit or any commercial or other damages, including but not limited to special, incidental, consequential or other similar claims. No dealer, distributor, company, or person has been authorized to change or add to the terms of this agreement, and GE will not be bound by any representation to the contrary. GE SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OF PURPOSE. Since some states do not allow such exclusion of limitation of incidental or consequential damages for consumer products, check the statute of the state in which your business resides.

This warranty gives you the specific legal rights in addition to any rights that you have under the laws of the state in which your business resides or operates.

FCC compliance

This device complies with part 15 of the FCC rules. Operation is subject to the following three conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
3. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Product ordering

Product	Description
430221001	GE Proximity Desktop Credential Reader (USB connection)
430220001	GE Vicinity (ISO 15693) and Mifare (ISO 14443A) Desktop Credential Reader (USB connection)



Technical support

Toll-free: 888.GESECURITY (888.437.3287 in the US, including Alaska and Hawaii; Puerto Rico; Canada).
Outside the toll-free area: Contact your local dealer.

www.gesecurity.com