

## HID 6005

# HID 6005 ProxPoint Plus 125 kHz Mini Mullion Proximity Reader User Manual

Model: 6005BGB00

## 1. INTRODUCTION

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The HID 6005 ProxPoint Plus is a compact, high-performance 125 kHz proximity reader designed for access control applications. This reader offers reliable performance and is suitable for various indoor and outdoor environments. This manual provides essential information for the proper installation, operation, and maintenance of your device.



Image 1.1: The HID 6005 ProxPoint Plus 125 kHz Mini Mullion Proximity Reader. This image shows the compact, charcoal gray housing of the reader, designed for discreet mounting.

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before installing or operating the device. Failure to follow these instructions may result in injury or damage to the product.

- **Electrical Safety:** Installation should be performed by qualified personnel in accordance with all local electrical codes. Disconnect power before wiring.
- **Environmental Conditions:** Do not expose the reader to extreme temperatures, humidity, or corrosive environments beyond its specified operating range.
- **Mounting:** Ensure the mounting surface is stable and can support the device securely.

### 3. PACKAGE CONTENTS

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Verify that all components are present in the package:

- HID 6005 ProxPoint Plus Reader
- Mounting hardware (screws, anchors)
- Installation Guide (this document)

### 4. SETUP AND INSTALLATION

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Follow these steps for proper installation of the HID 6005 ProxPoint Plus reader.

#### 4.1 Mounting

1. Select a suitable mounting location, typically near a door frame or mullion.
2. Use the reader as a template to mark the drilling points for the mounting screws.
3. Drill pilot holes and insert wall anchors if necessary.
4. Secure the reader to the mounting surface using the provided screws. Ensure the reader is flush and stable.

#### 4.2 Wiring

The HID 6005 ProxPoint Plus reader features a pigtail cable for connection. Refer to the following wiring diagram for standard Wiegand output connections. Always ensure power is disconnected before making any wiring connections.

**Table 4.1: Wiring Connections**

Wire Color	Function
Red	+VDC (5-16 VDC)
Black	Ground
Green	Data 0 (Wiegand)
White	Data 1 (Wiegand)
Brown	Green LED
Orange	Beeper

Connect the reader's wires to the corresponding terminals on your access control panel. Ensure all connections are secure and insulated.

#### 4.3 Power-Up

Once all wiring is complete and verified, apply power to the access control system. The reader will typically emit a short beep and the LED will illuminate (normally red) to indicate it is powered on and ready for operation.

### 5. OPERATING INSTRUCTIONS

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The HID 6005 ProxPoint Plus reader is designed for simple and intuitive operation.

#### 5.1 Presenting a Credential

To gain access, present a valid 125 kHz proximity card or fob directly in front of the reader. The optimal reading distance may vary slightly depending on the credential type and environmental factors.

## 5.2 LED and Beeper Indicators

- **Normal State:** The LED is normally red, indicating the reader is powered and awaiting a credential.
- **Successful Read:** Upon a successful read of a valid credential, the reader will emit a short beep and the LED will flash green. This signal is then sent to the access control panel for verification.
- **Invalid Read/No Response:** If an invalid credential is presented or no credential is detected, the reader will remain red and typically not beep. The access control panel determines the response for invalid credentials.

## 6. MAINTENANCE

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The HID 6005 ProxPoint Plus reader requires minimal maintenance to ensure long-term reliable operation.

- **Cleaning:** Periodically wipe the reader's surface with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the housing.
- **Inspection:** Regularly inspect the reader and its wiring for any signs of physical damage or wear. Address any issues promptly.
- **Firmware:** This reader typically does not require user-upgradable firmware. Consult your access control system administrator for any system-wide updates.

## 7. TROUBLESHOOTING

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If you encounter issues with your HID 6005 ProxPoint Plus reader, refer to the following common problems and solutions.

- **Reader Not Powering On (No LED, No Beep):**
  - Check power connections to the reader and the access control panel.
  - Verify the power supply voltage is within the specified range (5-16 VDC).
  - Ensure the reader's black wire (Ground) is properly connected.
- **Reader Powers On (Red LED) but Does Not Read Cards:**
  - Ensure you are using compatible 125 kHz proximity credentials.
  - Try presenting the card at different angles and distances.
  - Check for sources of electromagnetic interference near the reader.
  - Verify the reader's Data 0 (Green) and Data 1 (White) wires are correctly connected to the access control panel.
- **Reader Reads Cards but Access is Denied:**
  - This typically indicates an issue with the access control panel or the credential's programming, not the reader itself.
  - Consult your access control system's manual or administrator.
- **LED Not Changing Color or Beeper Not Sounding on Read:**
  - Verify the Brown (Green LED) and Orange (Beeper) wires are correctly connected to the access control panel and configured to provide feedback.
  - Check the reader's configuration settings (e.g., 'Beep On, LED Normally Red, Reader Flashes Green on Tag Read' is the default for P/N 6005BGB00).

## 8. SPECIFICATIONS

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Key technical specifications for the HID 6005 ProxPoint Plus reader:

- **Model Name:** 6005
- **Part Number:** 6005BGB00
- **Brand:** HID
- **Operating Frequency:** 125 kHz
- **Output:** Wiegand
- **Color:** Charcoal Gray
- **Special Feature:** Durable construction
- **Item Weight:** Approximately 1 pound (0.45 kg)
- **Dimensions:** Mini Mullion form factor (exact dimensions vary slightly by model, refer to product datasheet for precise measurements)
- **Power Requirements:** 5-16 VDC
- **Operating Temperature:** Consult product datasheet for specific range.

## 9. WARRANTY INFORMATION

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Warranty terms for the HID 6005 ProxPoint Plus reader are provided by the manufacturer, HID Global. Please refer to the official HID Global website or contact your authorized reseller for detailed warranty information, including coverage period and conditions. Keep your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

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For technical assistance, product inquiries, or support regarding your HID 6005 ProxPoint Plus reader, please contact your authorized HID Global reseller or the HID Global customer support team. You can find contact information on the official HID Global website ([www.hidglobal.com](http://www.hidglobal.com)).