2 Wire the reader

Pigtail versions

Terminal strip versions

<table>
<thead>
<tr>
<th>PI GTAIL</th>
<th>TERMINAL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red 1</td>
<td>+VDC</td>
<td></td>
</tr>
<tr>
<td>Black 2</td>
<td>Ground (RTN)</td>
<td></td>
</tr>
<tr>
<td>White 3</td>
<td>Wiegand Data 1 / Clock / RS485-A*</td>
<td></td>
</tr>
<tr>
<td>Green 4</td>
<td>Wiegand Data 0 / Data / RS485-B*</td>
<td></td>
</tr>
<tr>
<td>Orange 5</td>
<td>LED Input (GRN)</td>
<td></td>
</tr>
<tr>
<td>Yellow 6</td>
<td>Beeper Input</td>
<td></td>
</tr>
<tr>
<td>Blue 7</td>
<td>Hold Input / LED Input (BLUE)*</td>
<td></td>
</tr>
<tr>
<td>Brown 8</td>
<td>LED Input (RED)</td>
<td></td>
</tr>
<tr>
<td>Violet/White 9</td>
<td>Tamper 2 (RLY2)</td>
<td></td>
</tr>
<tr>
<td>Violet 10</td>
<td>Tamper 1 (RLY1)</td>
<td></td>
</tr>
<tr>
<td>Bare —</td>
<td>Drain (pigtail models only)</td>
<td></td>
</tr>
</tbody>
</table>

*Dependent upon reader configuration.

Note: Wiring the reader incorrectly may permanently damage the reader.

Note: Previous iCLASS® readers had reversed RS-485 wiring (P2-7 & P2-6 - A & B). When upgrading to a HID Signo reader, ensure proper connections as defined above.

Note: Data 0 and Data 1 wires for Wiegand may be used for OSDP. However, standard Wiegand cable may not meet RS485 twisted-pair recommendations.

Note: For keypad configuration, with the keypad reader operating as 26 bit emulation, enter the facility code followed by # within five seconds of power-up. The facility code must be entered as three digits (i.e., for a facility code of 10 enter 0-1-0-#). If unsuccessful, the reader LED displays solid red. Power-cycle the reader and retry entering the facility code.

Note: HID Signo readers use facility codes between 1-255, and no default is set. Once a facility code is entered, the reader LED displays violet, then solid red. Then, power-cycle the reader. If there are two short beeps after entering a PIN, the reader facility code is not configured. In this case, power-cycle the reader and retry entering the facility code.

3 Secure the reader to the mounting plate

1. Hook the top of the reader on the top of the mounting plate.
2. Align the bottom of the reader with the bottom of the mounting plate.
3. Secure the reader to the mounting plate using the supplied 0.138-32 x 0.375" screw.

Security/anti-tamper screw: 0.138-32 x 0.375" screw (supplied).

Non-security/standard screw: 0.138-32 x 0.375" screws (supplied).

4 Power and test the reader

Power the reader. The reader will beep and the LED will flash.

Test the reader with a credential. The reader will beep and the LED will flash.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Install in accordance with NFPA70 (NEC) Local Codes, and authorities having jurisdiction. Follow the links below for more information:

- IMDA Standards
- Complies with IMA Standards

Specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>Access Control Line Security Level</th>
<th>Destructive Attack Level</th>
<th>Endurance Level</th>
<th>Stand-by Power Level</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 / 20K / 40 / 40K</td>
<td>Level I</td>
<td>Level I</td>
<td>Level IV</td>
<td>Level I</td>
<td>Conditions</td>
</tr>
</tbody>
</table>

FCC

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

1. This device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation.

CAUTION: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contact the dealer or an experienced radio/TV technician for help.

Canada Radio Certification

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'utilisation de cet appareil doit produire un bruit de fonctionnement qui pourrait être répandu à d'autres personnes.

CE Marking

HID Global hereby declares that these proximity readers are in compliance with the essential requirements and other relevant provisions of Directive 2014/35/EU.

HID Global déclare par la présente que ces lecteurs à proximité sont conformes aux exigences essentielles et aux autres stipulations pertinentes de la Directive 2014/35/UE.

Europe, Middle East & Africa

HID Global bestätigt hiermit, dass die Leser die wesentlichen Anforderungen und anderen relevanten Bestimmungen der Richtlinie 2014/35/EU erfüllen.

HID Global dichiara che i lettori di prossimità sono conformi ai requisiti essenziali e ad altre misure rilevanti come previsto dalla Direttiva europea 2014/35/UE.

Download copies of the Radio Equipment Directive Declaration of Conformity (DoC) at:

http://www.hidglobal.com/certifications

Tianjin

According to "Administrative Regulations on Low Power Radio Waves Devices" Without permission granted by the NCC, any company, enterprise, or user is not allowed to change the frequency, enhance transmitting power or alter original characteristic as well as performance to a approved low power radio-frequency devices. The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease to operate immediately until no interference is achieved. The said legal communications means radio communications is operated in compliance with the Telecommunications Act. The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave devices.

Korean KCC

RUSSIA

Japan MIC

Brazil Compliance Statement

Per Article 6 of Resolution 506, equipment of restricted radiation must carry the following statement in a visible location:

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estabelecimentos do mesmo tipo, e não pode causar interferência de sistemas operando em caráter primário.

This equipment operates in secondary character. It does not have the right of protection against harmful interference, even against those the same character, and it cannot cause any interference to systems operating in the primary character.

Singapore

Australia and New Zealand

PLT-03703, Rev. A.2

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hiddglobal.com

Powering Trusted Identities


HID Global dichiara che questi lettori di prossimità sono in conformità con le esigenze essenziali e ad altre misure rilevanti come previsto dalla Direttiva europea 2014/35/UE.

Download copies of the Radio Equipment Directive Declaration of Conformity (DoC) at:

http://www.hidglobal.com/certifications