

HID® Signo™ Décor Reader

Install Guide

13.56 MHz / 2.4 GHz
SRD Model: 30



Supplied parts

- HID Signo Décor Reader (1)
- Install Guide (1)
- 5-pin terminal connectors (2)

Recommended parts (not supplied)

- Mounting kits for regional specific applications. Refer to the **Reader and Credentials How to Order Guide** (PLT-02630) for available options and part numbers at <https://www.hidglobal.com/documents/readers-and-credentials-how-order-guide>
- Cable, 5-10 conductor (Wiegand or Clock-and-Data), or 4 conductor Twisted Pair Over-All Shield and UL approved, Belden 3107A or equivalent (OSDP)
- Certified LPS DC power supply
- Metal or plastic junction box
- HID® Reader Manager™ app for configuration of the reader (available for download from the App Store or Google Play).



www.hidglobal.com/PLT-08160

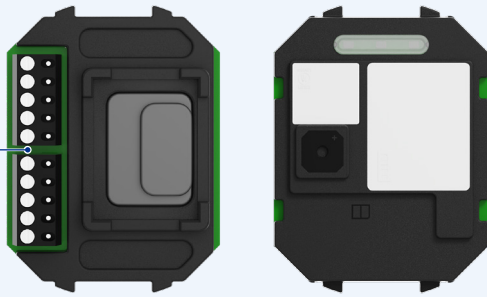
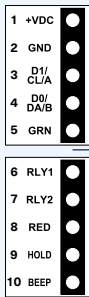
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PLT-07680 A.0

1. Wire the reader



TERMINAL	DESCRIPTION
1	+VDC
2	Ground (RTN)
3	Wiegand Data 1 / Clock / RS485-A*
4	Wiegand Data 0 / Data / RS485-B*
5	LED Input (GRN)
6	Tamper 1 (RLY1)
7	Tamper 2 (RLY2)
8	LED Input (RED)
9	Hold Input
10	Beeper Input

*Dependent upon reader configuration.

Notes:

- For Wiegand installations, ensure that pull-up resistors are enabled or fitted on the access controller D0 and D1 data line inputs. If the access controller does not include pull-up resistors, 2.2KΩ resistors are recommended to be fitted from the data line inputs to reader supply at the controller. No pull-up resistors may result in incorrect Wiegand operation.
- Wiring the reader incorrectly may permanently damage the reader.
- 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.
- Data 0 and Data 1 wires for Wiegand may be reused for OSDP. However, standard Wiegand cable may not meet RS485 twisted pair recommendations.
- For OSDP cable lengths greater than 200 ft (61 m) or EMF interference, install 120Ω +/- 2Ω resistor across RS-485 termination ends.

2. Attach the mounting bracket



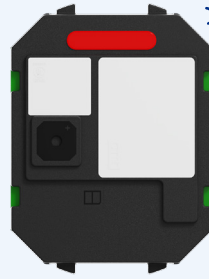
ATTENTION

Observe precautions for handling
ELECTROSTATIC SENSITIVE DEVICES

IMPORTANT: If you are mounting multiple HID Signo readers to metal stud walls, and the readers are positioned within six feet (1.8 m) of each other, refer to the additional installation recommendations in technical bulletin PLT-05722 <https://www.hidglobal.com/PLT-05722>

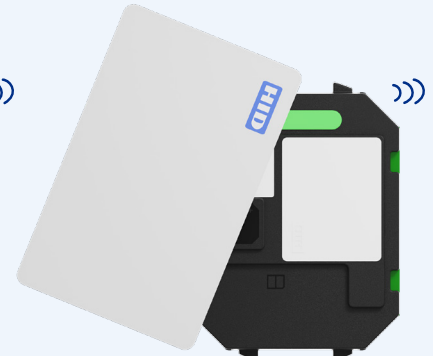
For mounting and installation information, follow the installation guide instructions under the regional specific kit.

3. Power and test the reader



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

Note: Idle LED may vary depending on reader configuration.



Test the reader with a credential. The reader may beep and the LED may flash depending on reader configuration.

Optional features

Optical Tamper – Is Enabled by default and activated when the installed fascia is removed (see kit installation guide for more detail). The tamper is normally closed and changes to open circuit between Tamper 1 and Tamper 2 control lines. Tamper 1 and Tamper 2 control lines are interchangeable. Either of these lines can be connected with the reader ground line to reduce the number of cable cores required in the reader cable. Tamper 1 and Tamper 2 are rated 0–12VDC at 100mA.

Hold Input – When asserted, this line either buffers a card (default) or disables a card read until released, as configured.

Specifications

Input Voltage (V DC)	12 V	24 V
Standby Current AVG¹	50 mA	30 mA
Max Current AVG²	90 mA	55 mA
Peak Current³	250 mA	250 mA
Operating Temperature	-30° F to 150° F (-35° C to 66° C)	
Cable Length	Communication Lines Wiegand = 500 ft - 18 AWG (152 m), 300 ft - 20 AWG (91 m) RS-485 = Max bus length: 4,000 ft - 24 AWG (1,219 m) Max length between nodes: 1,640 ft - 24 AWG (500 m)	
Regulatory Ref Number	30	
Frequency	BLE: 2.4–2.480 GHz, HF: 13.56 MHz	
FCC IDS	JQ6-SIGN030	
IC IDS	2236B-SIGN030	

¹ Standby AVG - RMS current draw without a card in the RF field.

² Maximum AVG - RMS current draw during continuous card reads. Not evaluated by UL.

³ Peak - highest instantaneous current draw during RF communication.

Regulatory

UL

Connect only to a Listed Access Control/Burglary power-limited power supply. These readers are intended to be used with listed (UL294) control equipment. Suitable for outdoor use.

Only Wiegand, OSDP, and Bluetooth communications have been evaluated by UL. HID Signo readers are compatible with HID Mobile Access® version 3.3.1 and later using mobile devices with BLE version 4.2 and later listed at: <https://www.hidglobal.com/mobile-access-compatible-devices>.

Install in accordance with NFPA70 (NEC) Local Codes, and authorities having jurisdiction. Follow all National and Local Codes.

UL 294 Performance Levels

Model #	Access Control Line Security Level	Destructive Attack Level	Endurance Level	Stand-By Power Level	Conditions
30	Level I	Level I	Level IV	Level I	

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

CE Marking

HID Global hereby declares that these proximity readers are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Por el presente, HID Global declara que estos lectores de proximidad cumplen con los requisitos esenciales y otras disposiciones relevantes de la Directiva 2014/53/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 2014/53/EU.

A HID Global, por meio deste, declara que estes leitores de proximidade estão em conformidade com as exigências essenciais e outras condições da diretiva 2014/53/EU.

HID Global bestätigt hiermit, dass die Leser die wesentlichen Anforderungen und anderen relevanten Bestimmungen der Richtlinie 2014/53/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 2014/53/EU.

Download copies of the Radio Equipment Directive Declaration of Conformity (DoC) at: <http://www.hidglobal.com/certifications>

Taiwan

根據NCC低功率電波輻射性電機管理辦法 規定：
第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前項合法通信，指依電信法規定作業之無線電通信。
低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Australia and New Zealand



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