

INSTALLATION
 INSTALACIÓN
 INSTALLATION
 INSTALAÇÃO
 INSTALLATION
 INSTALLAZIONE
 安装
 取り付け
 설치
 УСТАНОВКА

SmartID™ by



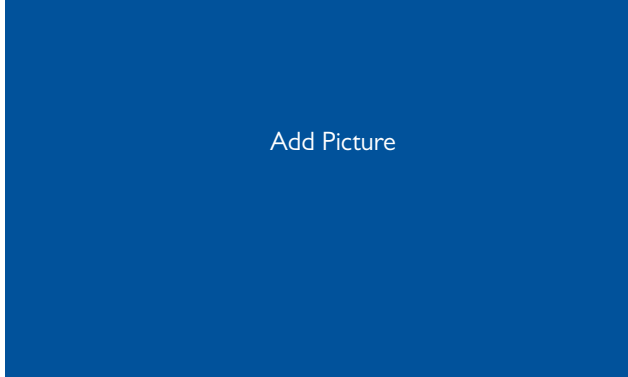
S10 / SK10
SP10 / SPK10

PARTS

- 1 - SmartID Reader
- 1 - Installation Guide
- 2 - 3.5 mm x .6 pitch x16 mm Phillips machine screws
- 2 - .138-32 x .625 Phillips machine screws
- 2 - .138-20 x 1.5 FL-82 Phillips AB
- 1 Screw Cap

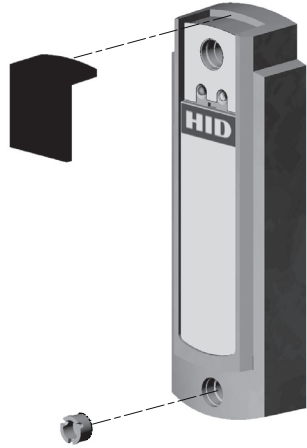
Recommended

- Cable, 5-9 conductor (Wiegand or RS232), 22 AWG shielded (pigtail)
- Linear DC Power supply
- Metal or plastic junction box
- Security Tool (for anti-tamper screw) HID 04-0001-03



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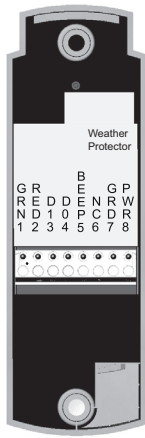
ASSEMBLY AND DISASSEMBLY
MONTAJE Y DESMONTAJE
MONTAGE ET DÉMONTAGE
MONTAGEM E DESMONTAGEM
ZUSAMMENBAU UND ZERLE-
GUNG
MONTAGGIO E SMONTAGGIO
 组装和拆卸
 組み立てと解体
 조립 및 분해
СБОРКА И РАЗБОРКА



PRODUCT	BASE PART NUMBER	INPUT VOLTAGE	CURRENT		OPERATING TEMPERATURE	CABLE DISTANCE
			AVERAGE	PEAK		
S10 SK10	8030 8031	5-24 VDC	600 mW ?? mA	1000 mW ?? mA	-22° - 140°F (-30° - 60° C)	Wiegand = 500 ft (153 m) - 18 AWG 300 ft (91 m) - 20 AWG 200 ft (61 m) - 22 AWG
HID / AWID Prox SP10 SPK10	8100 8101	5-24 VDC	1400 mW ?? mA	2100 mW ?? mA	-22° - 140°F (-30° - 60° C)	Clock -and-Data 82 ft (25 m) - 22 AWG
Indala Prox SP10 SPK10	8140 8141	5-24 VDC	1300 mW ?? mA	1600 mW ?? mA	-22° - 140°F (-30° - 60° C)	RS232 = 50 ft (15.24 m) RS485 = 4000 ft (1,219.2 m)

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WIRING
CABLEADO
CÂBLAGE
FIANÇA
VERDRÄHTUNG
CABLAGGIO
 布线
 配線
 배선
ЭЛЕКТРИЧЕСКИЕ СОЕДИНЕНИЯ



ATTENTION
 Observe precautions for handling
 ELECTROSTATIC SENSITIVE DEVICES

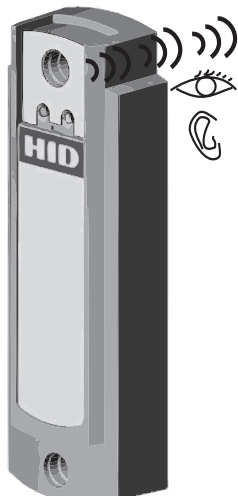
Term	Clock-in-Data (ABA)	Wiegand	RS232	RS422	RS485
P1	Green LED (GRN)	Green LED (GRN)	Green LED (GRN)**	Green LED (GRN)**	Green LED (GRN)**
P2	Red LED	Red LED	Red LED**	Red LED**	Red LED**
P3	Data	D1	Do not connect (NC)	TXA	TRX
P4	Clock	D0	TXD	TXB	TRX
P5	Buzzer Input	Buzzer Input	Do not connect (NC)	RXA	Do not connect (NC)
P6	Do not connect (NC)	Do not connect (NC)	RXD	RXB	Do not connect (NC)
P7	Ground (GRD)	Ground (GRD)	Ground (GRD)	Ground (GRD)	Ground (GRD)
P8	Power (PWR)	Power (PWR)	Power (PWR)	Power (PWR)	Power (PWR)

** LED input only valid in read-only applications.
CAUTION: 5 VDC is minimum voltage at reader connector pins.
 Tamper contact (optional): Rating 1A 30 VDC.

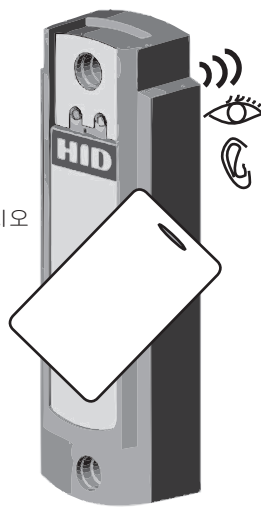
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POWER & TESTING
ENCENDIDO Y PRUEBA
ALIMENTATION ET TEST
FORÇA E TESTE
STROMVERSORGUNG UND TESTEN
ACCENSIONE E PROVA
 电源和测试
 電源投入とテスト
 전원 및 테스트
ВКЛЮЧЕНИЕ ПИТАНИЯ И ПРОВЕРКА

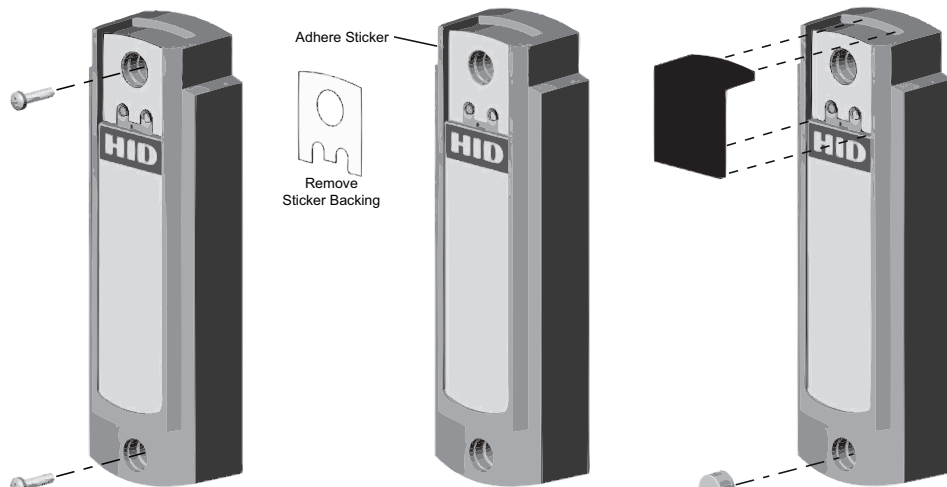
Turn on power
 Encienda la unidad
 Mettez sous tension
 Ligue a energia
 Einschalten
 Accendere
 打开电源
 電源を入れます
 전원을 켜십시오
 Включить питание



Test card
 Pruebe la tarjeta
 Testez la carte
 Teste o cartão
 Karte testen
 Provare la tessera
 测试卡
 カードをテストします
 카드를 테스트하십시오
 Тестовая карта

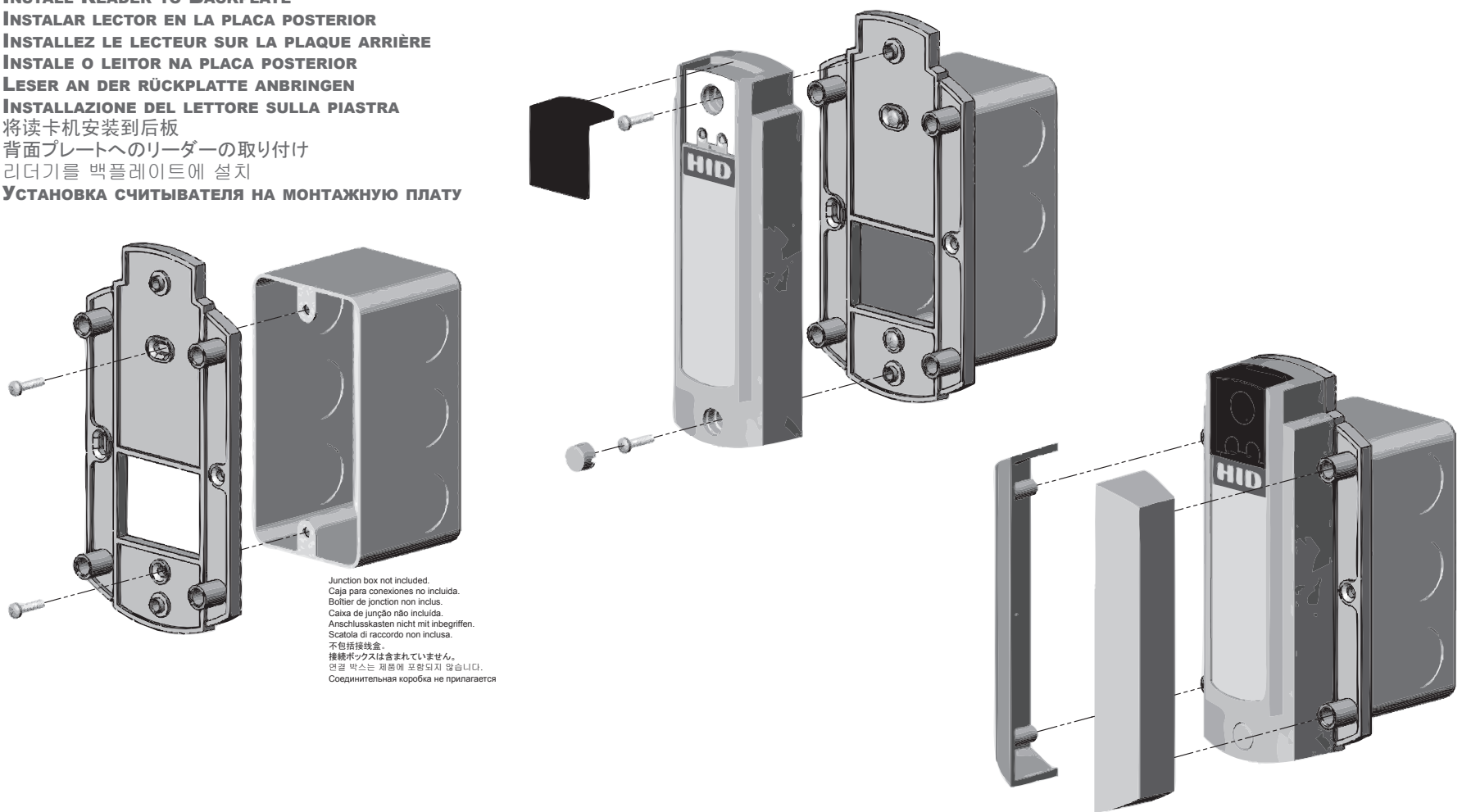


4 MOUNTING
MONTAJE
PRÉPARATION
MONTAGEM
MONTAGE
ASSEMBLAGGIO
安装
取り付け
설치
МОНТАЖ



CAUTION: Ensure reader is correctly mounted prior to adhering lense and cap cover.

5 INSTALL READER TO BACKPLATE
INSTALAR LECTOR EN LA PLACA POSTERIOR
INSTALLEZ LE LECTEUR SUR LA PLAQUE ARRIÈRE
INSTALE O LEITOR NA PLACA POSTERIOR
LESER AN DER RÜCKPLATTE ANBRINGEN
INSTALLAZIONE DEL LETTORE SULLA PIASTRA
将读卡机安装到后板
背面プレートへのリーダーの取り付け
리더기를 백플레이트에 설치
Установка считывателя на монтажную плату



Junction box not included.
Caja para conexiones no incluida.
Boîtier de jonction non inclus.
Caixa de junção não incluída.
Anschlusskasten nicht mit inbegriffen.
Scatola di raccordo non inclusa.
不包括接線盒。
接続ボックスは含まれていません。
연결 박스는 제품에 포함되지 않습니다.
Соединительная коробка не прилагается

REGULATORY

UL

These proximity readers are intended to be powered from a limited power source output of a previously certified power supply. These readers are intended to be used with listed (UL294) control equipment.

Only the Wiegand communication protocol has been investigated by UL.

FCC / CANADA RADIO CERTIFICATION

These devices comply 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Le fonctionnement est soumis aux deux conditions suivantes : (1) Ce dispositif ne peut pas causer de perturbations nuisibles et (2) ce dispositif doit accepter toute perturbation quelconque qu'il reçoit, y compris des perturbations susceptibles de provoquer un fonctionnement indésirable. Les changements ou modifications n'ayant pas été expressément approuvés par la partie responsable de la conformité peuvent faire perdre à l'utilisateur l'autorisation de faire fonctionner le matériel.

This Category II radiocommunication device complies with Industry Canada Standard RSS-310.

Ce dispositif de radiocommunication de catégorie II respecte la norme CNR-310 d'Industrie Canada.

The Carrier Frequencies and output power are as follows :

803xD, 810xD	13.56MHz	-6.5dBuV/m @ 30m
810xD	125kHz	<-4dBuV/m @300m

CE MARKING

HID Global hereby declares that these proximity readers are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Por el presente, HID Global declara que estos lectores de proximidad cumplen con los requisitos esenciales y otras disposiciones relevantes de la Directiva 1999/5/EC.

HID Global déclare par la présente que ces lecteurs à proximité sont conformes aux exigences essentielles et aux autres stipulations pertinentes de la Directive 1999/5/EC.

A HID Global, por meio deste, declara que estes leitores de proximidade estão em conformidade com as exigências essenciais e outras condições da diretiva 1999/5/EC.

HID Global bestätigt hiermit, dass die Leser die wesentlichen Anforderungen und anderen relevanten Bestimmungen der Richtlinie 1999/5/EG erfüllen.

HID Global dichiara che i lettori di prossimità sono conformi ai requisiti essenziali e ad altre misure rilevanti come previsto dalla Direttiva europea 1999/5/EC.

JAPAN MIC

この装置はMICIにより認証済みです。

TAIWAN DGT/NCC

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。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。

According to "Administrative Regulations on Low Power Radio Waves Radiated Devices" Without permission granted by the DGT, any company, enterprise, or user is not allowed to change 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 operating 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 radiated devices.

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8030-901 Rev A.2
Patent Pending

Check reader label for current regulatory approvals.

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