

# SX EX HID SIGNO READER SX-AC-P20545A



The SX EX HID SIGNO READER is a member of our unique SX product family, which has been specifically designed for use in hazardous (Ex) environments. Robustly constructed and reliable, the reader works with either our door controller and access products or third-party ACU systems to provide a highly effective door status monitoring/access control solution in Ex classified hazardous areas.

## FEATURES/DOCUMENTATION

The SX EX HID SIGNO READER unit consists of an HID SIGNO proximity card reader module housed in a robust Ex d cast aluminium alloy copper-free enclosure with tempered glass viewing window enabling it to be used in Zone 1, 2, 21 & 22 hazardous areas. The unit is supplied without a user cable or a certified Ex d cable entry gland fitted. The installer/end user is responsible for supplying and fitting appropriate glands and cables to suit the installation.

### CORE READER

- HID Signo HF 13.56 MHz / LF 125 kHz / BLE 2.4Ghz proximity card reader module.
  - Bluetooth
  - OSDP
  - Wiegand

### DIMENSIONS & WEIGHT

- Dimensions: 320mm x 305mm x 228mm (HxWxD)
- Weight Approx. 17Kg  
*(Actual Size and Weight may vary iteration dependent).*

### ENCLOSURE STYLE

- Ex d (flameproof) construction from Copper Free Aluminium alloy RAL 7035 Epoxy Coated IP65

### ENCLOSURE MATERIAL

- Marine grade, copper-free aluminium light alloy

### MOUNTING OPTIONS

- Surface Mounting / 4 x M12 bolts





### AMBIENT TEMP TANGE & T-CLASS

- - 35°C to +60°C

### CERTIFICATIONS ATEX/IECEX

- INERIS13ATEX0021X
- IECEX INE 13.0069X

### ENCLOSURE MARKING

-  I 2 G Ex d IIC T6...T3
-  II 2(1) GD Ex d [ia/ib IIA or IIB or IIC Ga] IIC T6...T3 II
-  2 D Ex tb IIIC T85°C...T 200°C
-  II 2 D Ex tb [ia Da/ib] IIIC T85°C

### EXTERNAL CONNECTION

- Via 1 x M25 Entry Gland
- External Earth Bonding Point

### INTERNAL CONNECTION

- 14 x Ex e Terminals + 1 x Earth Terminal

### MAX CABLE CROSS SECTION

- Max 1.5mm<sup>2</sup> (incl. conductor ferrules)

### POWER REQUIREMENTS

- 12 VDC Nominal
- 65mA to 250mA (Max)

**COMMUNICATION LINES**

- Wiegand
  - 500 ft – 18AWG (152m)
  - 300 ft – 20AWG (91m)
- RS-485
  - Max Bus Length 4,000 ft 24 AWG – 1219m
  - Max Length between nodes 1,640 ft 24AWG – (500m)

**ENVIRONMENTAL RATING**

- IP66

**READER MATERIAL**

- UL94 V0 Polycarbonate

**2-YEAR STANDARD WARRANTY.**

*Product warranty begins at the point of invoice.*

*If a defect is discovered during the warranty period, it is the customer's responsibility to return the unit to SecurEx before the end of this warranty period.*

*SecurEx reserves the right for a full product inspection.*

*SecurEx reserves the right to request evidence for correct installation. Incorrect installation of the product will result in the warranty becoming void.*

*SecurEx product warranty covers technical and/or safety issues. Cosmetic damages will not be covered under warranty unless related to technical and/or safety issues.*

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NOTE: SECUREX OPERATES UNDER A POLICY OF CONTINUAL PRODUCT IMPROVEMENT.

SPECIFICATIONS MAY CHANGE WITHOUT NOTICE.

V2.0    

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