AWID

SP-6820™
Sentinel-Prox™
Proximity Reader

AWID's Sentinel-Prox™ Proximity Reader SP-6820 is specially suited for applications where a discriminating look makes a difference. An attractive package which looks great outside the Board room or at the front gate in the rain or snow. With a read range of 6 to 8 inches, the SP-6820 delivers exceptional value without compromise on quality, durability, or performance for both indoor and outdoor applications.

The SP-6820 reader is a fully featured Wiegand and RS-232 compatible reader with an LED and Annunciator for both small and large volume OEM and Dealer installations. It is designed to mount on a standard-single-gang electric wall-box or on the surface of an interior or exterior wall.

The SP-6820's attractive enclosure comes in dark gray or beige color. The SP-6820's electronics and antenna are encapsulated in an UL-approved epoxy resin potting compound to seal them against adverse environmental conditions.

When a valid card/tag is presented within the reader's field, the reader's LED momentarily turns AMBER and the beeper sounds to indicate that a data transmission took place. If the card/tag stays within the reader's field, the LED will blink RED/GREEN to indicate that the reader is functioning properly.
The reader has a re-present mode in which the card must be taken from the reader field before being read again. This feature eliminates multiple reads from a single card presentation.
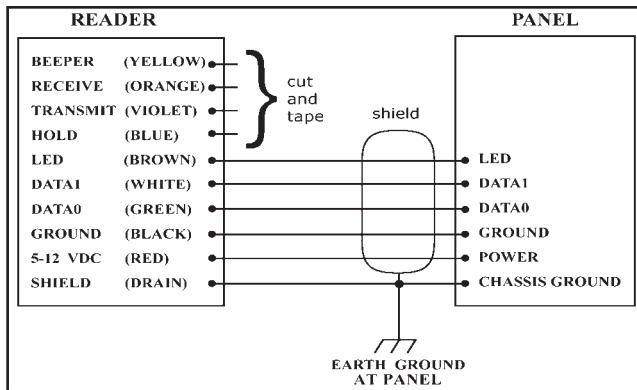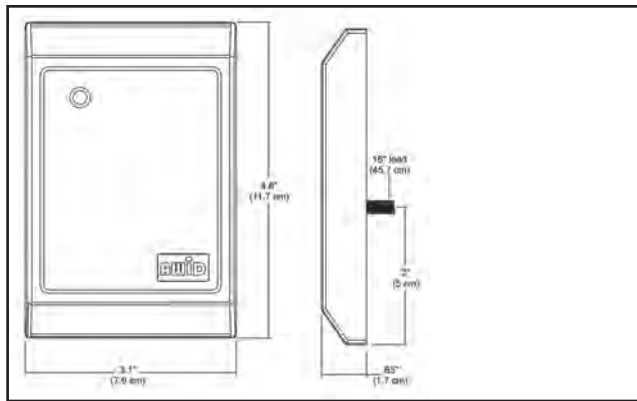
Features

• Read range of 6 to 8 inches

• Specially designed for attractive appearance

• Electronics potted with epoxy compound for demanding environmental applications

• LED for visual feedback, Piezo beeper for audio feedback

• Compatible with all Wiegand access control systems

• Industry standard Wiegand (26 to 50 bit) output and RS-232 interface

• Attractive high-tech enclosure with dark gray or beige color

Benefits

• Ease of use and entry. Assures long life of cards by eliminating need to physically swipe card against reader

• Elegant and easy mounting

• Reader electronics protected against application elements to assure long reader life.

• Visual and Audible indicators providing dependable user feedback and guidance for quick and easy installation

• Wiegand output allows use of multiple control panels allowing stocking of one reader for all applications and credential requirements

• Choice of color matching settings

NOTE: FOR OUTDOOR USE UNIT MUST BE INSTALLED IN MINIMUM IP64 RATED HOUSING

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SPECIFICATIONS

PERFORMANCE CHARACTERISTICS

Read Range:
6-8 inch (15.2- 20.3 cm)
Transmitting Frequency:
125 kHz
Voltage:
5-12V DC
Current:
50-80 mA
Audio alarm:
4 kHz burst
Communication protocol:
Wiegand, RS-232 with interface
length up to 500 ft
Data Format:
Configurable 26 bit to 50 bit
(determined by code in credentials)
Cable to Controller (Wiegand interface):
5 conductors stranded #22AWG, color-coded insulation, overall 100% shield

PHYSICAL CHARACTERISTICS
Dimensions:
3.1x4.6x0.65 in (7.9x11.7x1.7 cm)
Weight:
8 oz (227 g)
Color:
Dark Gray or Beige

ENVIRONMENTAL
Operating Temperature:
-31F° to 150°F (-35 °C to 65 °C)
Operating Humidity:
0-95% non-condensing
Regulatory:
FCC Part 15
Industry Canada
UL Listed

Note:
Unit is splash proof, not water resistant

Credential Options

- CS – Standard Clamshell Style Prox Badge, Credit Card Size with Beveled Edges, Pre-Punched in Portrait Orientation, Accepts Photo-Flap and Self-Adhesive Badge Overlays. 6-8in Read Ranges.

- GR – Graphics Quality Prox Card, ISO Compliant Thickness for Badging Graphics Quality, Both Sides Printable. Portrait or Landscape Punch Capability. Available with Magnetic Stripe (GRMAG). 6-8in Read Ranges.

- KT – Stylish Prox Key Tag. Designed to Fit on Key ring/chain. Triangular Design for comfortable holding. ABS Construction for High-Endurance. 5-6in Read Ranges.

- PW – One inch Diameter Disc Prox Wafer. Transform any Credential (Laminated ID badge, Magnetic Stripe Card, Bar Coded ID Card, Swipe Card, Barium Ferrite Card, Drivers License, etc) into an AWID compatible Prox Card instantly. Eliminate the Expense and Hassles of Re-Badging your Employees.