



### Description

AWID's Sentinel-Prox™ Proximity Reader SP-6820-GR-0 is specially suited for applications where a discriminating look makes a difference. An attractive package which looks great outside the boardroom or at the front gate in the rain or snow. With a read range of 6 to 8 inches, the SP-6820-GR-0 delivers exceptional value without compromise on quality, durability, or performance for both indoor and outdoor applications.

The SP-6820-GR-0 reader is a fully featured Wiegand and RS-232 compatible reader with an LED and Annunciator for both small and large 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-GR-0's attractive enclosure comes in a dark gray color. The SP-6820-GR-0'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 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
- Multi-protocol AWID and or HID
- 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 color

### Benefits

- Ease of use and entry. Assures long life of cards by eliminating need to physically swipe card against reader
- Elegantly and beautifully mounted
- 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

## 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, with interface length up to 500 ft and RS-232

**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:**

3.1 x 4.6 x 0.65 in (7.9 x 11.7 x 1.7 cm)

**Weight:**

8 oz (227 g)

**Color:**

Dark Gray

### Environmental

**Operating Temperature:**

-31F° to 150°F ( -35 °C to 65 °C)

**Operating Humidity:**

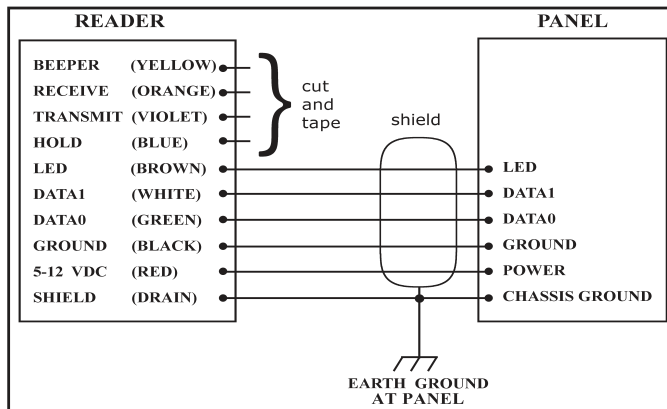
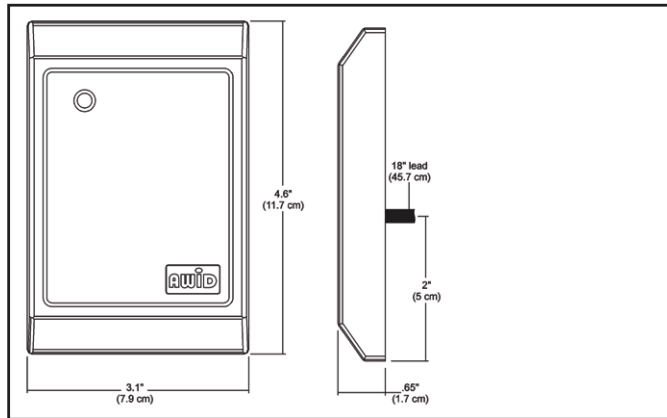
0-95% non-condensing

**Regulatory:**

FCC Part 15

Industry Canada

UL Listed



## Ordering Information

Model	Description
SP-6820-GR-0	Sentinel-Prox Proximity Reader, Gray

NOT TO BE USED FOR INSTALLATION PURPOSES.



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