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# D8223 Prox Pro Reader



- ▸ **Easy mounting**
- ▸ **Beeper and LED configurations can be host and/or locally controlled**
- ▸ **Indoor/outdoor design**

The D8223 Prox Pro Reader provides Wiegand protocol interface capability in a black, easily mounted, weather-resistant enclosure.

## Functions

### Easy Mounting

The D8223 Prox Pro Reader is designed to fit a vertically-mounted, US standard, single-gang switch box for easy installation. It is field-adjustable through a selectable jumper setting so that it can be mounted directly to metal with minimal effect on its read range performance.

### Beeper and LED Configurations can be Host and/or Locally Controlled

When a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. Both the beeper and LED configurations can be controlled individually by the host system.

### Indoor/outdoor Design

The rugged, weatherproof polycarbonate enclosure of the D8223 provides resistance to weather extremes and vandalism.

## Certifications and Approvals

| Region | Certification | |
|--------|---------------|---|
| USA | UL | ALVY: Access Control Systems Units (UL294), APOU: Proprietary Alarm Units (UL1076), UEHX7: Signaling Appliances, Miscellaneous Certified for Canada (cUL) |

## Installation/Configuration Notes

### Compatibility Information

| | |
|---|---|
| Credentials | D8236-10 Wiegand Proximity Card<br>D8236KF-10 Wiegand Proximity Token<br>D8236TG-10 Wiegand Proximity Adhesive Tag |
| Systems | ReadykeyPRO<br>Readykey<br>D9412G Control Panel<br>D7412G Control Panel |

### Connection Considerations

The acceptable wire length from the door controller to the reader is up to 500 ft (152 m) when using 22 AWG (0.8 mm) cable.

## Technical Specifications

### Environmental

| | |
|---|---|
| Relative Humidity | 0% to 95%, non-condensing<br>For UL Listed applications, 0% to 85%, non-condensing |
| Operating Temperature | -22°F to +150°F<br>(-30°C to +65°C)<br>For UL 294 applications, -22°F to +140°F (-30°C to +60°C) |

### Electrical

| | |
|---|---|
| Current (Input) | 100 mA average at 12 VDC;<br>120 mA peak at 24 VDC |
| Voltage (Input) | 10 VDC to 28.5 VDC |
| Indicators | One LED that emits red or green light to display system status |
| Read Range | Up to 8 in. (20 cm) |

### Mechanical

| | |
|---|---|
| Dimensions | 5.0 in. x 5.0 in. x 1.0 in.<br>(13 cm x 13 cm x 2.5 cm) |
| Weight | 12 oz (0.3 kg) |
| Color | Charcoal gray |
| Material | Polycarbonate |

## Ordering Information

**D8223 Prox Pro Reader**
Provides Wiegand protocol interface capability in a black, easily mounted, weather-resistant enclosure.
**D8223**

### Accessories

**D8236-10 Wiegand Proximity Card (26-bit)**
Randomly-coded proximity card that is Wiegand 26-bit. Each package contains ten cards.
**D8236-10**

**D8236KF-10 Wiegand Proximity Token (26-bit)**
Randomly-coded, gray, plastic, Wiegand 26-bit token. Attaches to a key chain. Each package contains ten tokens.
**D8236KF-10**

**D8236TG-10 Wiegand Proximity Adhesive Tag (26-bit)**
Randomly-coded, gray, plastic, Wiegand 26-bit adhesive tag. Attaches to non-metallic surfaces. Each package contains ten tags.
**D8236TG-10**