BOSCH

Invented for life

D8223-P Prox Pro PIN Reader

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

The D8223-P Prox Pro PIN Reader provides Wiegand protocol interface capability in an attractive, easily mounted, and weather-resistant enclosure. Enter a personal identification number (PIN) at the keypad to obtain access.

Note The D8223-P works exclusively with the ReadykeyPRO system, and takes advantage of the ReadykeyPRO card or PIN features.

System Overview

The keypad interfaces with the ReadykeyPRO system by sending keypad data over the data output lines, or from a direct connection to the keypad interface.

Functions

Easy Mounting

The D8223-P Prox Pro PIN 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. Mount the reader directly to metal with minimal effect on the read range performance.

Beeper and LED Configurations can be Host and 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 and Outdoor Design

The rugged, weatherproof polycarbonate enclosure helps the reader to withstand extreme weather and attempted vandalism.

Tamper Switch

An internal tamper switch sends an alarm condition if someone tries to disassemble the reader without authorization.

Installation/Configuration Notes

Compatibility Information

Credentials	D8236-10 Wiegand Proximity Card, 26-bit
	D8236KF-10 Wiegand Proximity Token, 26-bit
	D8236TG-10 Wiegand Proximity Adhesive Tag, 26-bit
	D8237-50 Wiegand Proximity Card, 37-bit
	D8237KF-10 Wiegand Proximity Token, 37-bit
	D8237TG-10 Wiegand Proximity Adhesive Tag, 37-bit
System	ReadykeyPRO

Connection Considerations

- Use a six-conductor cable in applications where LEDs are controlled individually.
- Use a seven-conductor cable in applications where both LEDs are controlled by the host.
- Use a 22 AWG (0.8 mm) twisted-pair, stranded cable with overall shield in applications requiring a tamper switch function.

Technical Specifications

Environmental

Relative Humidity:	5% to 95%, non-condensing
Temperature (Operating):	-22°F to +150°F (-30°C to +65°C)

Electrical

Current (Input):	100 mA average at 12 VDC; 120 mA peak at 24 VDC
Voltage (Input):	10 VDC to 28.5 VDC
Read Range:	Up to 8 in. (20 cm)

Mechanical

Dimensions:	5.0 in. x 5.0 in. x 1.0 in. (13 cm x 13 cm x 2.5 cm)
Weight:	12 oz (0.3 kg)
Color:	Charcoal gray
Material:	Polycarbonate

Ordering Information

D8223-P Prox Pro PIN Reader
Provides Wiegand protocol interface capability and a keypad in an attractive, easily mounted, and weather-resistant enclosure.

D8223-P

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

Ordering Information

D8237-50 Wiegand Proximity Card (37-bit)
Randomly-coded and ISO thin proximity card suitable for badge printing. It is Wiegand 37-bit. Each package contains 50 cards. *To be used with ReadykeyPRO systems only.*

D8237-50

D8237KF-10 Wiegand Proximity Token (37-bit)
Randomly-coded, gray, plastic, Wiegand 37-bit token. Attaches to a key chain. Each package contains ten tokens. *Works with ReadykeyPRO systems only.*

D8237KF-10

D8237TG-10 Wiegand Proximity Adhesive Tag (37-bit)
Randomly-coded, gray, plastic, Wiegand 37-bit adhesive tag that attaches to non-metallic surfaces. Each package contains ten tags. *Works with ReadykeyPRO systems only.*

D8237TG-10