



ioProx – Proximity Readers and Cards



Features That Make a Difference

- Readers are compatible with dualencoded proximity cards – 26-bit Wiegand and Kantech XSF
- Kantech XSF cards can be encoded with over four billion unique codes
- Digital Signal Processing (DSP) ensures quick and reliable card reading
- Weatherproof design for indoor and outdoor applications
- Integrated piezoelectric buzzer & bicolor reader LED
- Quick connect terminal blocks (P225 and P325 series) allows for easy wiring and saves time and money
- Up to 73 cm (29 in) read range (P600)

Integration by Design

Kantech ioProx readers and cards provide an ideal access control solution. They are a cyber-resilient and easy-to-install solution to manage and control access all the while ensuring people, materials and operations are safe. ioProx readers and cards seamlessly integrate with Kantech access control systems including door controllers and EntraPass Security Management Software.

Encoding & Authentication

All ioProx readers are compatible with dual encoded proximity cards – 26-bit Wiegand and Kantech Extended Security Format (XSF). The XSF cards can be encoded with over four billion codes, ensuring no duplication. ioProx keypad readers provide a powerful security solution. Combine an ioProx card presentation with a personal identification number (PIN) to support dual authentication of identity.

Presenting Our Credentials

ioProx cards feature proven, reliable technology that seamlessly integrates with ioProx readers. Cards are available in a variety of shapes and materials. They offer a flexible design and can be attached to a key ring, badge clip or lanyard. In the case of disk shaped P50TAG, it can be attached to any non-metallic surface such as a smart phone. And some cards are suitable for dye sublimation printing.



Selecting the Right Reader

ioProx readers can be selected based on mounting options (single gang box or mullion), compatible card formats (26-bit Wiegand or Kantech XSF), read range and authentication (card or card plus PIN).

Read Range

Depending on the model selected and the operating conditions, read range varies from 16.5 cm to 73 cm (6.5 in to 29 in). With its extended range, the P600 Long Range Reader is ideal for parking lots and other long read range applications.

Appealing/Durable Readers

ioProx readers are attractive, compact, weatherized and vandal-resistant, making them suitable for installation in a variety of indoor and outdoor environments. The bicolor reader LED indicates system status. The LED turns green to indicate a successful read when the card is presented to the reader. In addition, the LED can indicate if the alarm system is armed or disarmed. The piezoelectric buzzer provides audible indication of a successful read.

Specifications

Common ioProx Card Reader Specifications	
Compatible Card Formats	Dual encoded - XSF (Kantech Extended Security Format) and 26-bit Wiegand
LED Indicator	Bicolor (Red, Green)
Piezoelectric Buzzer	Integrated
Operating Temperature Range	-35°C to 65°C (-30°F to 150°F)
Color	Black

Model Number/ Description	Dimensions (H x W x D)	Read Range	Power Supply	Maximum Cable Distance
P225XSF, P225W26 Mullion Mount	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5 cm (6.5 in)	4.5 to 14 VDC, max. 45 mA	137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P225KPXSF, P225KPW26 Mullion Mount with Keypad	11.4 x 4.4 x 2.1 cm (4.5 x 1.75 x 0.84 in)	Up to 16.5 cm (6.5 in)	4.5 to 14 VDC, max. 45 mA	137 m (450 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P325XSF, P325W26 Single Gang Mount	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5 cm (8 in)	4.5 to 14 VDC, max. 45 mA	150 m (500 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P325KPXSF, P325KPW26 Single Gang Mount with Keypad	11.5 x 7.1 x 2.1 cm (4.6 x 2.8 x 0.84 in)	Up to 20.5 cm (8 in)	4.5 to 14 VDC, max. 45 mA	150 m (500 ft) @ 5 VDC 300 m (1,000 ft) @ 12 VDC
P600 Long Range Reader	28.5 x 28.5 x 3.2 cm (11.25 x 11.25 x 1.25 in)	Up to 73 cm (29 in)	12 to 28 VDC, max. 1.5 A	137 m (450 ft) @ 12 VDC 300 m (1,000 ft) @ 28 VDC

Ordering Information

Model Number	Description
Readers	
P225XSF	ioProx reader, XSF, mullion
P225W26	ioProx reader, 26-bit Wiegand, mullion
P225KPXSF	ioProx reader, XSF, mullion
P225KPW26	ioProx reader, 26-bit Wiegand, mullion
P325XSF	ioProx reader, XSF, single-gang
P325W26	ioProx reader, 26-bit Wiegand, single-gang
P325KPXSF	ioProx reader, XSF, single-gang
P325KPW26	ioProx reader, 26-bit Wiegand, single-gang
P600	ioProx reader, long range, XSF/ 26-bit Wiegand selectable
Cards	
P10SHL	ioProx card, XSF/ 26-bit Wiegand, standard (Min. Qty. 50, Increment Qty. 50)
P20DYE	ioProx card, XSF/ 26-bit Wiegand, printable (Min. Qty. 50, Increment Qty. 50)
P30DMG	ioProx card, XSF/ 26-bit Wiegand, high coercivity magnetic stripe, printable (Min. Qty. 50, Increment Qty. 50)
P40KEY	ioProx keytag, XSF/ 26-bit Wiegand, (Min. Qty. 25, Increment Qty. 25)
P50TAG	ioProx self-adhesive round tag, XSF/ 26-bit Wiegand (Min. Qty. 50, Increment Qty. 50)

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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