KANTECH

ioProx™ Proximity Readers

- Kantech eXtended Secure Format (XSF) or 26-bit Wiegand format

- Up to 300 m (1000 ft) unshielded cable

- Up to 73 cm (29 in) read range (P600)

- Quick Connect Terminal Block (P225 & P325 series)

- Digital Signal Processing (DSP) for enhanced security

- Indoor/outdoor use

- Integrated piezo buzzer & bicolor LED

- Integrated Tamper Switch on P600 (optional on other models)

P325

P325KP

P225KP

P225

P600
Image not to scale

ioProx™ Proximity Readers

With a selection of five ioProx readers, the demands of any application are easily met. The readers are attractive, compact, weatherized and vandal-resistant so that they are suitable for installation in a variety of environments.

Easy installation
Snap-and-lock terminal blocks (P225 and P325 series) allow for easy wiring, saving time and cost.

Voltage Requirements
Depending on the model selected, power requirements range from 4.5 to 14 VDC (P225 and P325 series) or 12 to 28 VDC (P600), providing compatibility with virtually any controller on the market. This allows a system to be upgraded simply by changing readers and cards without rewiring.

Integrated 12-Button Keypad
Integrated keypad models are ADA-compliant and based on the 8-bit burst industry standard. Convenient features such as arming/disarming and alarm triggering are pre-programmed for use with Kantech EntraPass™ software.

Read Range
Depending on the model selected and the environmental 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 applications where special consideration is needed to facilitate access.

Unshielded Cable
ioProx readers can be installed using unshielded cable to a distance of up to 300 m (1000 ft) from the controller. Using this type of cable significantly reduces installation costs.

XSF Security
Kantech eXtended Secure Format (XSF) readers are compatible only with Kantech EntraPass software, with access to over 4 billion unique codes. Kantech's XSF cards provide increased security and absolute guarantee against card duplication.

Technical Specifications	P225/P225KP Mullion	P325/P325KP Single Gang	P600 Long Range
Typical read range	up to 16.5 cm (6.5 in)	up to 20.5 cm (8 in)	up to 73 cm (29 in)
Input voltage	4.5 to 14 VDC	4.5 to 14 VDC	12 to 28 VDC
Current DC maximum	45 mA	45 mA	1 A
Dimensions (HWD) cm	114.3 x 44.5 x 21.3	115.6 x 71.1 x 21.3	285 x 285 x 31.5
Dimensions (HWD) in	4.50 x 1.75 x 0.84	4.55 x 2.80 x 0.84	11.25 x 11.25 x 1.25
Weight	90 g (3.2 oz)	150 g (5.3 oz)	1085 g (38.3 oz)
Color	Black	Black	Black
Transmit frequency	125 kHz	125 kHz	125 kHz
LED indicator	Bicolor (Red, Green)	Bicolor (Red, Green)	Bicolor (Red, Green)
Piezo buzzer	Integrated	Integrated	Integrated
Operating temperature	-35°C to 65°C (-30°F to 150°F)	-35°C to 65°C (-30°F to 150°F)	-35°C to 65°C (-30°F to 150°F)
Format	XSF or 26-bit Wiegand	XSF or 26-bit Wiegand	XSF or 26-bit Wiegand
Maximum distance from controller:			
• Reader power 5 VDC	137 m (450 ft)	150 m (500 ft)	—
• Reader power 12 VDC	300 m (1000 ft)	300 m (1000 ft)	150 m (500 ft)
• Reader power 28 VDC	—	—	300 m (1000 ft)
Cable type	#22 AWG Belden ref #8742 3 twisted pairs, UNSHIELDED	#22 AWG Belden ref #8742 3 twisted pairs, UNSHIELDED	#18 AWG Belden ref #5304UE 6 wires, UNSHIELDED
Certification	FCC, CE & UL	FCC, CE & UL	FCC, CE & UL
Tamper switch	Optional P-TAMP	Optional P-TAMP	Integrated
High Endurance Braille Keypad	P225KP only	P325KP only	N/A

P50TAG *Self-Adhesive Tag*
P40KEY *Keytag*
P10SHL *Standard Shell Card*
P20DYE *Dye-sub Card*
P30DMG *Dye-sub Card with Mag Stripe*
P600
P225XSF P225W26
P325XSF P325W26
P225KPXSF P225KPW26
P325KPXSF P325KPW26

ioProx cards are compatible with both XSF and 26-bit Wiegand format ioProx readers

XSF = Kantech eXtended Secure Format   **W26** = 26-bit Wiegand format

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