# KANTECH™

P74WLS-TAG
P74WLS

P72WLS-TAG
P72WLS

P700WLS

# ioProx Receiver and Transmitters

## Features That Make a Difference:

- ioProx selectable 4-channel receiver
- Read range up to 45 m (150 ft)
- Encrypted code ensures the highest level of security
- Kantech™ eXtended Secure Format (XSF) or 26-bit Wiegand format-selectable
- 2- and 4-button transmitters
- Model available with integrated ioProx tag

## ioProx Receiver

The ioProx receiver can be programmed for either Wiegand format or Kantech eXtended Secure Format (XSF). Wiegand formats are compatible with most door controllers on the market, while the XSF format can be used with one of Kantech's door controllers and provides enhanced security with an additional measure of protection against ID access code duplication.

The ioProx receiver can read from a distance of up to 45 m (150 ft) with a power dipole antenna or 30 m (100 ft) with a standard whip antenna. This longer read range is ideal for applications in remote locations where the limited read range of a traditional access control system is insufficient.

## Easy Configuration

The receiver is field-configurable so that dip switches can be set to determine which corresponding button on the transmitter will activate the receiver. The same transmitter can be used to operate up to four different receivers (one per button) located within close proximity to each other. If the receivers that are allocated to each button are out of range of the transmitters, additional receivers can be configured and used with the same 4-button transmitter.

## Easy Installation

The ioProx receiver can be installed using unshielded cable up to 150 m (500 ft) from the controller. Using this type of cable significantly reduces installation cost.

## ioProx Transmitters

The ioProx transmitters are available in a 2- or 4-button version. With an extra long 433.92 MHz read range, it is an ideal solution for parking lots, garages, or anywhere there is a significant distance between a cardholder and the secured entrance.

## Encrypted Code for Higher Security

ID credentials consisting of a site and ID number are encoded on the transmitter. When the appropriate button on the transmitter is pressed, the data is sent to the receiver using incremental packet transmission. This creates a unique code transmission every time the button is pressed so that no one can intercept the code and use it to circumvent the access control system.

## Model Available with Integrated ioProx Tag

The ioProx transmitters include a model with an integrated ioProx tag for use with any ioProx card reader. Therefore, if you install the ioProx reader in a parking garage and an ioProx card reader at the building entrance, users can gain access to both using the same transmitter rather than searching for a different key tag or card for each entrance.

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## ioProx Receiver

Power . . . . . . . . . . . . . . . . . . . . . . . . . 12-24 VDC
Operating Temperature. . . . . . . . . . . . -30°C to 68°C (-22°F to 155°F)
Dimensions (H x W x D) . . . . . . . . . . . 19.21 x 13.02 x 4.14 cm
                (7.56 x 5.13 x 1.63 in)
Enclosure Material . . . . . . . . . . . . . . . Polycarbonate (HB) with UV stabilizer,
                weather-resistant, IP56, NEMA 4X rated
Frequency. . . . . . . . . . . . . . . . . . . . . . 433.92 MHz
Current . . . . . . . . . . . . . . . . . . . . . . . . 50 mA (stand-by), 100 mA (peak)
Output. . . . . . . . . . . . . . . . . . . . . . . . . XSF or 26-bit Wiegand selectable
Cable Type . . . . . . . . . . . . . . . . . . . . . 2 twisted pairs, unshielded cable
Max. Distance from Controller
at 12 VDC . . . . . . . . . . . . . . . . . . . . . . 152 m (500 ft) with 18 AWG
                112 m (369 ft) with 20 AWG
                76 m (248 ft) with 22 AWG
Certification . . . . . . . . . . . . . . . . . . . . FCC

## 2- and 4-button ioProx Transmitters

Power . . . . . . . . . . . . . . . . . . . . . . . . . 3V lithium battery, included
                (3 year average lifetime)
Operating Temperature. . . . . . . . . . . . 0°C to 70°C (32°F to 158°F)
Dimensions (H x W x D) . . . . . . . . . . . 7.30 x 3.81 x 1.59 cm
                (2.88 x 1.50 x 0.63 in)
Certification . . . . . . . . . . . . . . . . . . . . FCC

## Standard Whip Antenna[1]

Read Range . . . . . . . . . . . . . . . . . . . . Up to 30 m (100 ft)

## Power Dipole Antenna[2]

Read Range . . . . . . . . . . . . . . . . . . . . Up to 45 m (150 ft)

## Model Numbers

P700WLS . . . . . . . . . . . . . . . . . . . . . . ioProx receiver, 4-channel, XSF/26-bit
                Wiegand selectable, indoor/outdoor use,
                including one standard whip antenna
                (P-WLS-A1)
P72WLS . . . . . . . . . . . . . . . . . . . . . . . ioProx 2-button transmitter
P72WLS-TAG . . . . . . . . . . . . . . . . . . . ioProx 2-button transmitter with
                integrated ioProx tag
P74WLS . . . . . . . . . . . . . . . . . . . . . . . ioProx 4-button transmitter
P74WLS-TAG . . . . . . . . . . . . . . . . . . . ioProx 4-button transmitter with
                integrated ioProx tag
P-WLS-A1 . . . . . . . . . . . . . . . . . . . . . . Standard whip antenna for P700WLS
P-WLS-A2. . . . . . . . . . . . . . . . . . . . . . Power dipole antenna for P700WLS

(1) Antenna P-WLS-A1 may be remotely installed using coaxial cable up to 4.5 m (15 ft).
(2) Antenna P-WLS-A2 MUST be installed using coaxial cable up to 4.5 m (15 ft); RG1 1/U (Belden ref#8213) coaxial cable is recommended.

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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