KANTECH
From Tyco Security Products

ioProx Receiver and Wireless Transmitters

P700WLS

P84WLS

P82WLS

Features That Make a Difference:

- Four-channel receiver can be matched to a button on the transmitter
- Long read range - up to 45 m (150 ft)
- Encrypted code ensures high level of security
- Two or four-button transmitter with optional integrated ioProx tag
- Indoor/outdoor use

Long-Range, Secure Transmission

The ioProx Transmitter is ideal for long-range (up to 45 m/150 ft) applications such as opening parking gates. The (2- or 4-button) transmitter is available with an optional integrated ioProx tag, which can be read by an ioProx card reader, making it an ideal solution to access both a parking facility and an office building without searching for multiple access cards. The ioProx transmitter uses radio-frequency (RF) technology secured with encrypted coding. The ioProx Receiver is field selectable for either 26-bit Wiegand format or for Kantech Extended Secure Format (XSF).

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 wireless 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 wireless 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 Wireless Transmitters

The ioProx wireless 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 wireless 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 wireless 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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Specifications

ioProx Receiver

Power	12-24 VDC
Operating Temperature	-30°C to 68°C (-22°F to 155°F)
Dimensions (H x W x D)	19.2 x 13.0 x 4.1 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

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)	5.6 x 4.0 x 1.6 cm (2.2 x 1.6 x 0.63 in)
Certification	FCC

Standard Whip Antenna[1]

Read Range	Up to 30 m (100 ft)

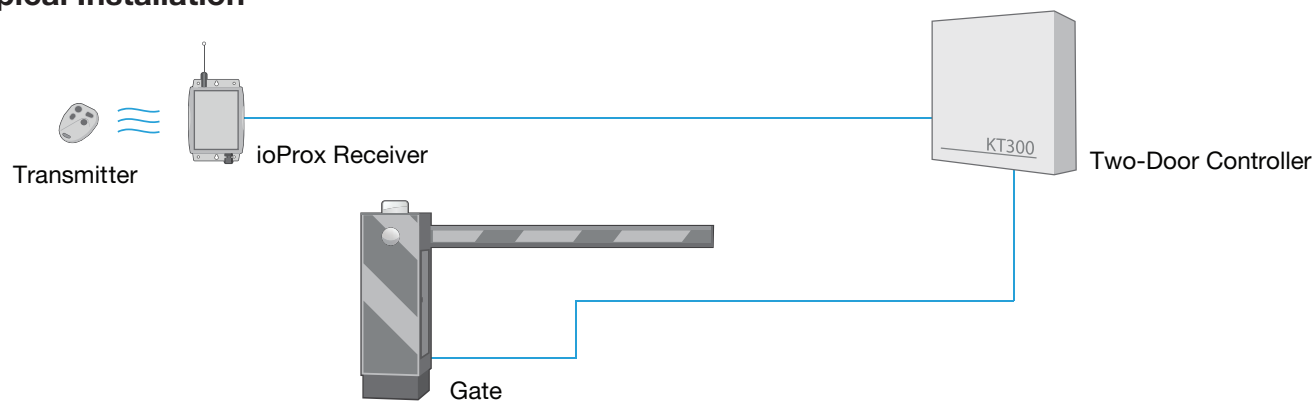
Power Dipole Antenna[2]

Read Range	Up to 45 m (150 ft)

Ordering Information

Model Number	Description
P700WLS	Four-channel receiver, standard whip antenna
P82WLS	Two-button transmitter
P82WLS-TAG	Two-button transmitter, integrated ioProx tag
P84WLS	Four-button transmitter
P84WLS-TAG	Four-button transmitter, integrated ioProx tag
Accessories	
P-WLS-A1	Standard whip antenna
P-WLS-A2	Dipole antenna

Typical Installation



(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.

Related Products


ioProx Readers


EntraPass Security Management Software


KT-400 Four-Door Controller


T.Rex Request-To-Exit Detector

Approvals