KANTECH

ACCESS CONTROL AND INTEGRATED SYSTEMS

DSC

WLS-5401KSF
WLS-5401
Wireless access receiver and transmitters

The WLS Wireless receiver and transmitters

WLS-5401/KSF

WLS-3700/KSF

WLS-3710/KSF

Extra long read range of up to 25 meters or more !

The **WLS** series transmitters and outdoor receiver provide extra long read range using wireless technology in the 303MHz range. Ideal for parking and garage entrance applications. The read range can be extended by installing the power antenna remotely.

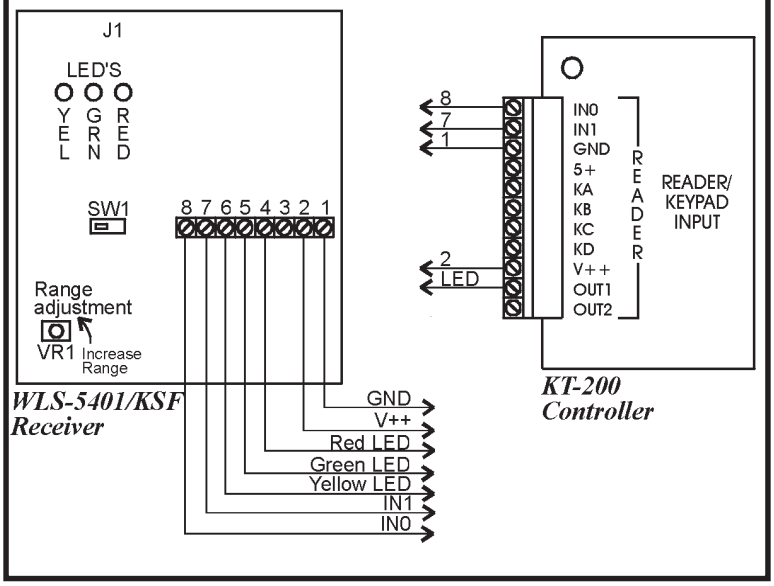
Ordering Information

WLS-5401KSF KSF format wireless outdoor receiver
WLS-3700KSF KSF format wireless full size transmitter
WLS-3710KSF KSF format wireless keytag transmitter
WLS-5401 Wiegand 26 bits format wireless outdoor receiver
WLS-3700 Wiegand 26 bits format wireless full size transmitter
WLS-3710 Wiegand 26 bits formatwireless keytag transmitter
WLS-A1 Standard whip antenna for wLS-5401
WLS-A2 Power dipole antenna for wLS-5401

Features

- Choice of 2 transmitters
- Typical range of up to 25 meters (80 feet)
- Ideal for parking and garage entrance
- Receiver powered directly from KT-200

Wiring Diagram



Technical Specifications

WLS-5401KSF / WLS-5401

Power..... 24 VDC
Operating temperature..... -40ºC to 65ºC (-40ºF to 150ºF) at 85% humidity
Dimensions..... 11.3H x 11.3W x 8.9 cm (4.75" x 4.75" x 3.5")
Enclosure material..... ABS
Frequency..... 303 MHz
Average current..... 30mA
Output..... KSF format WLS-5401KSF (Wiegand 26 bits WLS-5401)
Cable..... 22 AWG, 7 conductor Belden ref# 9413
Distance from controller.... 15 meters max (50') (Receiver should not be closer than 3m (10') to the controller)

WLS-3700KSF / WLS-3700

Power..... 9 Volt battery, included (1 year average lifetime)
Operating temperature..... -40ºC to 65ºC (-40ºF to 150ºF) at 85% humidity
Dimensions..... 8.9H x 6.35W x 1.9 cm (3.5" x 2.5" x 0.75")

WLS-3710KSF / WLS3710

Power..... 12 Volt battery, included (1 year average lifetime
Operating temperature..... -40ºC to 65ºC (-40ºF to 150ºF) at 85% humidity
Dimensions..... 5.7H x 3.8W x 1.28 cm (2.25" x 1.5" x 0.50")

WLS-A1

Read range ..... Up to 12.2 meters (40 feet)
Antenna WLS-A1 may be remotely install using coaxial cable up to 12.2 meters (40').

WLS-A2

Read range..... Up to 25 meters (80 feet)
Antenna WLS-A2 MUST be remotely install using coaxial cable up to 12.2 meters (40').

CS1119EN-9809

Kantech Systems Inc. Tel.: 1(450) 444-2040 or 1-888-KANTECH Fax.: 1(450) 444-2029 Internet: www.kantech.com

DSC Security Products

WLS-5401KSF / WLS-5401

Installation Instructions

1) Do not mount receiver or antenna near any known source of interference (ie. Proximity Card Readers, etc). The greater the distance between the receiver and the source of interference, the better. A minimum 2.5 meters (8 feet) is recommended.

2) For proper wire connections refer to wiring diagram.

3) Mount all antennas at least 10cm (4 inches) from the wall **for maximum range.**

4) Ensure the voltage applied to the reader is 24 Volts.

5) Test receiver range with only power applied, by switching SW1 to the ON position and activating a transmitter. If the receiver is functioning, the Yellow LED will illuminate indicating the receiver is operating.

6) To increase the range of the receiver turn VR1 the range adjustment counter-clockwise. To decrease the range turn the adjustment clockwise.

Troubleshooting

1) Apply power to the receiver.

2) Turn range adjustment to maximum.

3) Turn TEST switch to ON position.

4) Activate a transmitter

5) If the Yellow LED on the receiver turns on when a transmitter is activated, the receiver is receiving the signal from the transmitter.

6) If the Yellow LED did not turn on, ensure you have the proper power applied to the receiver and the connections are tight. Also check the transmitter battery.

7) If the Yellow LED lights but your access system does not receive the code, re-check your wiring from the receiver to your controller.

8) The LEDs on the receiver are controlled by your access panel. To activate a particular LED, your panel must be ground the appropriate LED input line.

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