



Series: WHHC-27

Wireless Industrial Remote Control System with Handheld Transmitter



FEATURES & BENEFITS

- Wireless Bridge Between Handheld & Relay Panel
- Rugged, Portable Handheld Transmitter
- Up To 2 Mile (LOS) Transmit/Receive Distance
- Use To Control Pumps, Valves, Motors or Lighting
- Available With 1, 2 or 4 Control Lines
- Receiver Panel Unit Features Control Relays
- License Free Point-to-point Radio Operation

APPLACATIONS

- Remote Control Crane or Winch System
- Fence or Gate Control
- Level & Flow Control & Irrigation Systems
- Water Pump & Valve Motor Control

DESCRIPTION

Series WHHC-27 Wireless Remote Control System provides a wireless bridge between a handheld transmitter and a relay receiver control panel. When a switch on the handheld transmitter is pressed signals are sent via a license free radio signal to a receiver unit up to 2 miles (Line-of-site) away. When the control panel receives the proper wireless signals from the handheld transmitter control relays inside the panel are energized to operate remote equipment such as a pump, valve, motor, wench or gate.

Application Example: Controlling 2 Remote Water Pumps



General Specifications

RF Impedance: 50 Ohm nominal
Transmitter/Receiver Code Matching: 65,536 Codes
Operating Temperature: -4 to 140 °F (-20 to 60 °C)
RF Control Distance: Up to 2 Miles (LOS) Line-of-site
Regulatory: FCC Part 95 (No License required)

Handheld Transmitter Specifications

Frequency: 27.255 MHz \pm .0025% (center frequency)
Bandwidth: 6 KHz
RF modulation: FSK \pm 2 KHz nominal
RF output impedance: 50 Ohm nominal
Data encoding format: EMR
Power output: 2W minimum
Batteries: Two 9 Vdc batteries
Antenna: 8-inch antenna (supplied)
Loop response time: 500 ms
Transmit time: 1 second
Code transmissions: Alarm and low battery
Control Type: Push-button
Housing: Grey, weather-resistant, high impact plastic
Dimensions: 2.5 x 4.75 x 1.25"

Receiver Relay Controller Specifications

Operating Power: 120V AC 50/60 Hz or 12V DC
Control Relay(s): See Model Table
Wire Connections: Terminal Blocks (14 – 24 AWG)
Enclosure: NEMA 4X, Poly/Fiberglas Blend

Available Handheld Transmitters

Model Number	Description	Control Lines
WHHC-27-TRAN1	1-Line Handheld Wireless Transmitter	1
WHHC-27-TRAN2	2-Line Handheld Wireless Transmitter	2
WHHC-27-TRAN4	4-Line Handheld Wireless Transmitter	4

Available Relay Control Panels

Model Number	Relay Capacity	Description	Control Relays
WHHC-27-REC1	120/240VAC, 10 Amp	1-Line Relay Receiver Control Panel	1
WHHC-27-REC2	120/240VAC, 10 Amp	2-Line Relay Receiver Control Panel	2
WHHC-27-REC4	120/240VAC, 10 Amp	3-Line Relay Receiver Control Panel	4

CONTROL PANELS WITH HIGHER CAPACITY RELAYS AND CONTACTORS ARE AVAILABLE. CONTACT US FOR INFO.

© 2014 :: Imagine Instruments LLC :: 4500 Williams Drive, Ste 212-318 :: Georgetown, TX 78633 :: p. 512.778.6850
e-mail: info@imagineinstruments.com :: www.imagineinstruments.com

Note: Continued product improvements make specifications subject to change without notice.
Check www.imagineinstruments.com for the latest product information and updates

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Transmitters Available with 1, 2 or 4 Control Lines