

# WRC Series

## Two Channel Wireless Transmitters & Receivers



SDC's WRC series two channel wireless 433MHz transmitter/receiver solution is specifically designed to be used as a receptionist button or remote release for single or dual door access control applications. Receiver has the capacity to learn up to 30 fixed transmitter codes using the onboard learning button and status LED.

### MODELS

- WRC-R2** Two Channel Receiver, 24VDC
- WRC-R2-12** Two Channel Receiver, 12VDC
- WRC-2B** Two Button Wireless Pendant Transmitter

### STANDARD FEATURES

- 433.92 MHz Frequency

#### TRANSMITTER FEATURES

- Operates with WRC-R2 or WRC-R2-12
- Pendant keychain type housing

#### RECEIVER FEATURES

- 12", eight wire pigtail for quick installation
- Onboard transmitter learning button
- Learns up to 30 transmitter codes
- Visual status indicator (LED)
- Four field selectable operation modes



**WRC-2B**



**WRC-R2**  
**WRC-R2-12**



## APPLICATIONS

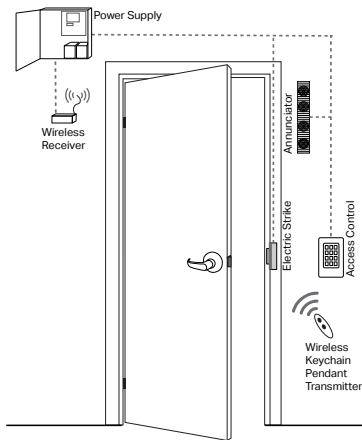
### RECEIVER OPERATION MODES

**Timed (3s):** Remote button "A" activates relay "A" for 3 seconds (fixed); remote button "B" activates relay "B" for 3 seconds (fixed). Both relays may be activated at the same time.

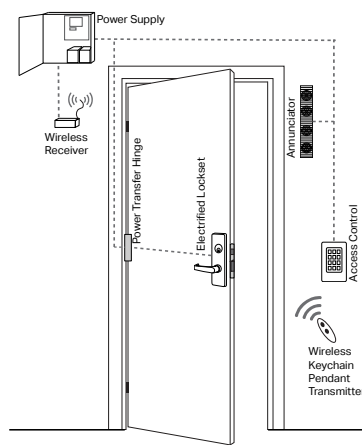
**Toggle:** Pressing remote button "A" activates relay "A". Relay "A" remains active until remote button "A" is pressed again; Pressing remote button "B" activates relay "B". Relay "B" remains active until remote button "B" is pressed again. Both relays may be activated at the same time.

**Manual (M) (default):** Pressing remote button "A" activates relay "A". Relay "A" remains active only while remote button "A" is pressed; Pressing remote button "B" activates relay "B". Relay "B" remains active only while remote button "B" is pressed.

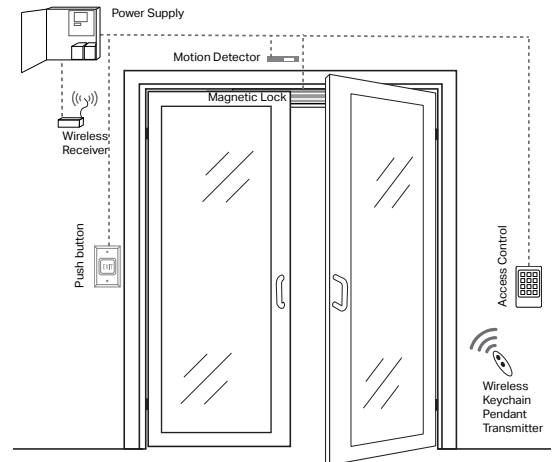
**Latching (L):** Pressing either remote button activates its respective relay. The relay remains active until the other remote button is pressed, activating its respective relay.



**Single Door**  
**Electric Strike Solution**



**Single Door**  
**Electrified Lockset Solution**




**Double Door**  
**EMLock Solution**

## SPECIFICATIONS

	<b>WRC-R2</b>	<b>WRC-R2-12</b>	<b>WRC-2B</b>
<b>Type</b>	Receiver	Receiver	Transmitter
<b>Housing</b>	Plastic Box	Plastic Box	Pendant Keychain
<b>Frequency</b>	433.92 MHz	433.92 MHz	433.92 MHz
<b>Input</b>	24 VDC ± 10%	12 VDC ± 10%	-----
<b>Current Draw</b>	9 mA Standby 70 mA Max	9 mA Standby 70 mA Max	-----
<b>Outputs</b>	(2) Dry	(2) Dry	-----
<b>Contact</b>	SPDT	SPDT	-----
<b>Rating</b>	10 Amp @ 30 VDC Resistive	10 Amp @ 30 VDC Resistive	-----
<b>Connection</b>	12" Eight Wire Pigtail	12" Eight Wire Pigtail	-----
<b>Transmitter Capacity</b>	30 Fixed Codes	30 Fixed Codes	-----
<b>Transmitter Programming</b>	Onboard Learning Button and Status LED	Onboard Learning Button and Status LED	-----
<b>Transmitting Distance</b>	-----	-----	50 ft (No Obstruction)
<b>Transmitter Operation</b>	-----	-----	WRC-R2 or WRC-R2-12
<b>Transmitter Activation</b>	-----	-----	Two Button Hold "A" or "B" for 1 second
<b>Battery Replacement</b>	-----	-----	(2) CR2016 Button Cell 3V Lithium
<b>Operating Environment</b>	-22° to 140°F	-22° to 140°F	-----
<b>Dimensions</b>	2½" x 1¾" x 1¼"	2½" x 1¾" x 1¼"	2¼" x 1⅛" x ½"
<b>Weight</b>	1 lb	1 lb	1 lb

## HOW TO ORDER

### FOLLOW STEPS FOR ORDERING

 Designates optional step

1| SPECIFY MODEL

**WRC-R2** Two Channel Receiver, 24VDC                      **WRC-2B** Two Button Wireless Pendant Transmitter

**WRC-R2-12** Two Channel Receiver, 12VDC

STEP NUMBER:	1
ORDERING EXAMPLE:	<b>WRC-R2</b>

## COMPONENT CONSIDERATIONS

### ELECTROMAGNETIC LOCKS

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SDC's magnetic Locks are suited for interior doors, perimeter exit doors and entrances that require failsafe emergency release capability. Our patented EMLock® design represents the pinnacle of magnetic lock evolution featuring a variety of options for any application. Our Excel™ series of value magnetic locks are designed for system integrators, distributors, and installers using low-cost import. The interlocking EZ mount assembly leaves hands free for wiring and securing of mounting screws.

### ELECTRIFIED LOCKSETS

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SDC electrified locksets are building and fire life safety code compliant for fire rated office, corridor, lobby, exit and stairwell doors. HiTower®, Selectric® and Electra™ locksets provide locking and latching features for fire rated doors that meet security needs and fire life safety code requirements. Whether failsafe or failsecure, controlled access and remote-control capability is provided while the door stays latched even when unlocked, maintaining fire door integrity.

### ELECTRIC STRIKES

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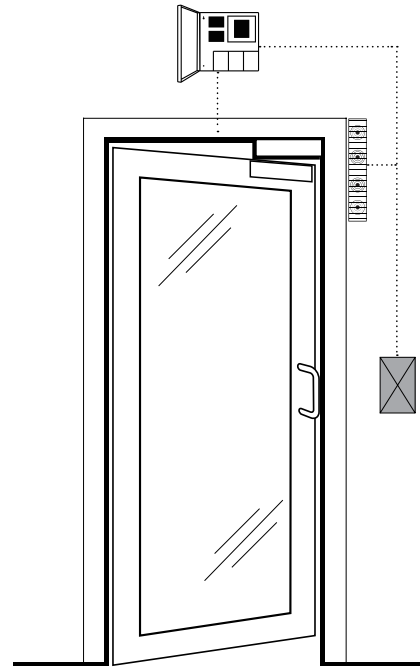
SDC electric strikes enable the electrical release of a locked mechanical latch or bolt and are well-suited for both new and retrofit construction. Compatible with any access control, SDC electric strikes are available in a variety of configurations to accommodate several types of mechanical locksets and door and frame styles - as well as failsafe and failsecure applications. All models provide quick and easy installation.

### KEYPADS & READERS

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SDC has a variety of digital keypad and proximity card access control systems equipment to meet any need. SDC's access control keypads & readers are engineered to provide real-world door control of a single opening up to 100 doors, as indoor, outdoor, and PC-based systems, while ensuring fire and life safety code compliance along with superior expandability and flexibility in authorization identification, authentication, access approval, and accountability of entities through login credentials.



### POWER CONTROLLERS

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SDC access control power supplies have been developed specifically to support access controls and electric locking hardware. They are UL listed and provide filtered and regulated linear DC power, with optional control logic, component interface, alarm interface and battery back-up to meet the requirements of single and multiple access-controlled openings. The circuitry design is ideal for the inductive loads generated by access control hardware for high performance and longevity.

### ANNUNCIATORS

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Multi-mode annunciators, like SDC's EA series door prop alarm, EA100 and 400 series LEDs, sirens, buzzers & speakers, come in a variety of door, frame, wall, ceiling or single and double gang box configurations to provide the ultimate in door status indication, access control system compatibility and control. SDC door prop alarms are compatible with all access control systems but can also function as a stand-alone solution. Models are available in single gang or narrow frame mount options.