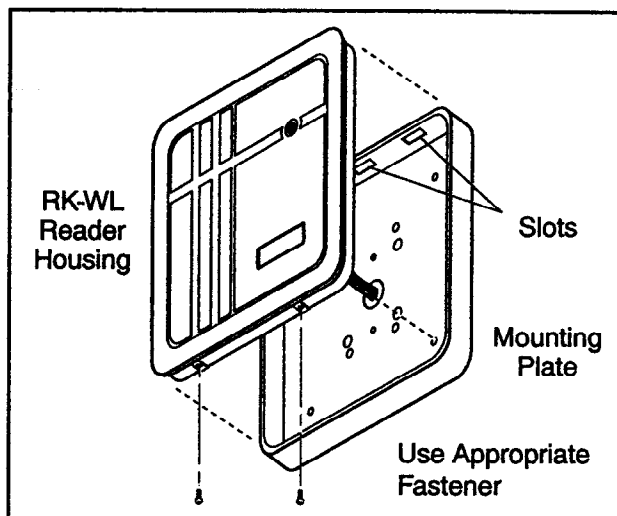
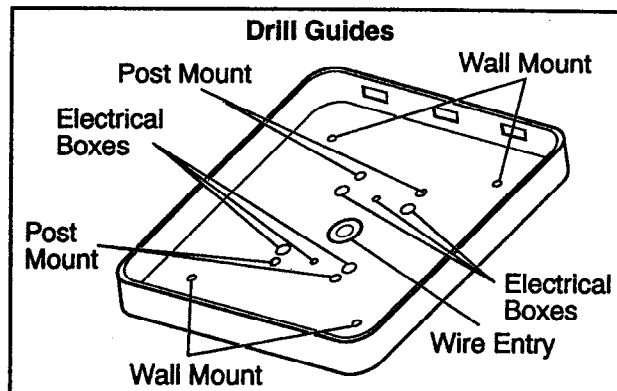


# RADIO KEY® RK-WL Installation Instructions

## INSTALLATION STEPS:

1. Drill holes as needed per installation diagram shown to the right.
2. Feed cable through 3/4" hole in mounting plate.
3. Attach the mounting plate to the mounting surface with the appropriate fasteners.
4. If the reader will be mounted on a metallic surface as large as, or larger than the reader housing, install a one-inch non-metallic spacer behind the reader mounting plate.
5. Connect RK-WL cable per wiring diagram shown on the reverse side.
6. Attach the housing to the mounting plate by inserting the three tabs inside the top of the housing into the three slots at the top of the mounting plate.
7. Secure by installing supplied screws into the holes at the bottom of the reader.



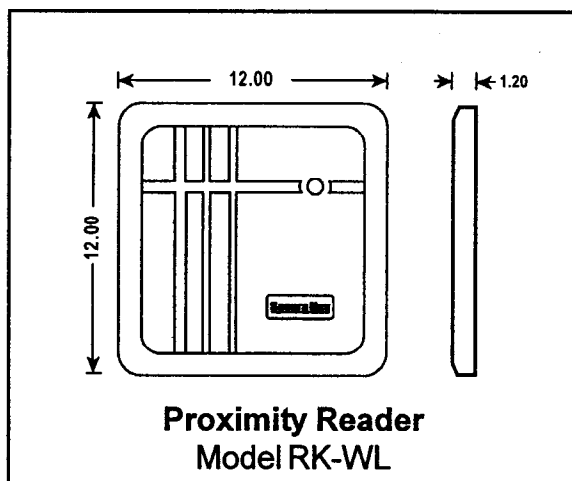
## SPECIFICATIONS

### OUTPUTS & INPUTS

|                    |                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Wiegand Output     | Data 1 and Data 0<br>Output Sink Current: 100mA;<br>Output Source Current: 5mA                                                         |
| LED/Buzzer Control | LED Bicolor (Red or Green)<br>Buzzer Short chirp upon presentation of any compatible Secura Key transponder, also controlled by input. |
| Cable Required     | Maximum Distance - 500 ft.- 5 to 7 conductor . 20 gauge shielded cable (depends on LED and Buzzer control used)                        |

### ENVIRONMENT

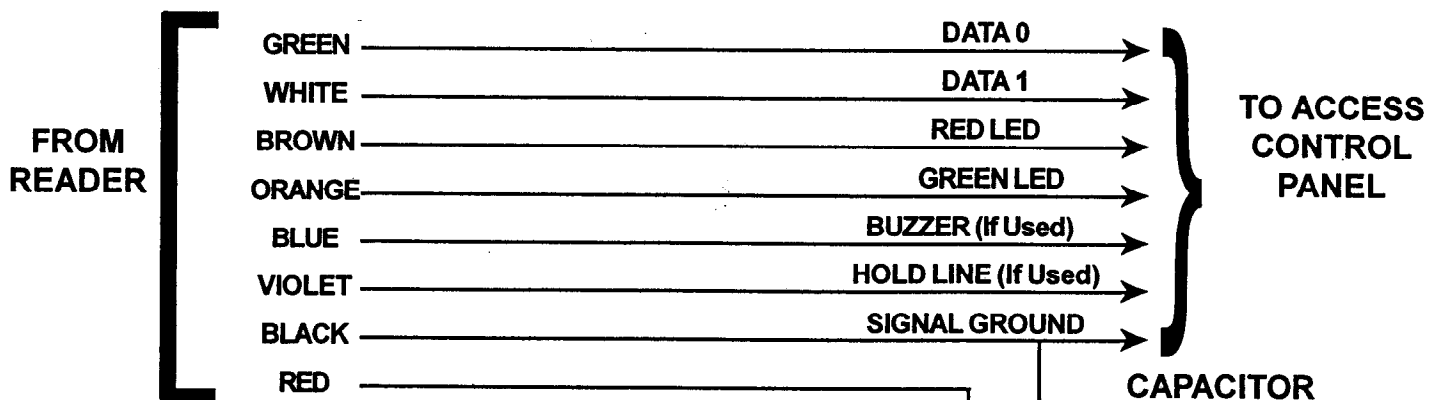
Access Control Unit and Card/Key Tag  
Ambient Temperature  
-40° to +70°C (-40° to +158°F)  
Humidity 0 to 100%



OVER FOR ADDITIONAL INFORMATION

**Secura Key**  
A Division of SOUNDCRAFT Inc.

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### READER CONNECTION

| WIRE#                                                          | WIRE COLOR | DESCRIPTION       |
|----------------------------------------------------------------|------------|-------------------|
| 1                                                              | RED        | 12-14 VDC, 400mA* |
| 2                                                              | BLACK      | GROUND            |
| 3                                                              | GREEN      | DATA- 0           |
| 4                                                              | WHITE      | DATA-1            |
| 5                                                              | BROWN      | RED LED INPUT**   |
| 6                                                              | ORANGE     | GREEN LED INPUT** |
| 7                                                              | BLUE       | BUZZER INPUT**    |
| 8                                                              | VIOLET     | HOLD LINE**       |
| * When used with SK-ACP, a separate power supply must be used. |            |                   |
| **Connect to GROUND to activate.                               |            |                   |

### READER POWER SUPPLY NOTES:

Connect the red and black wires from the reader to a 12VDC power supply. Connect the black (ground) wire to the black wire of the enclosed capacitor. Connect the green wire of the capacitor to earth ground. (Do NOT attempt to power the reader directly from the access control panel).

## INSTRUCTION TO THE USER

FCC ID: NNHRKWL

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate this equipment.

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