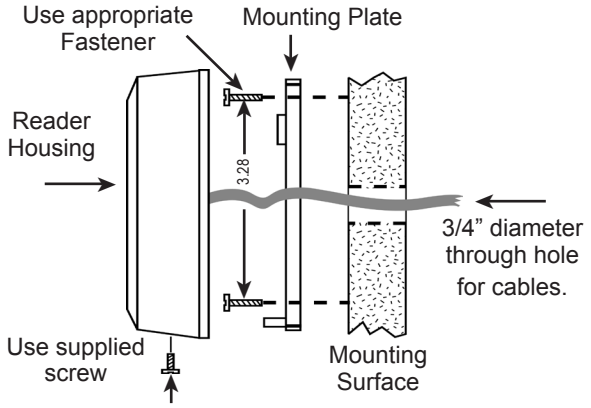
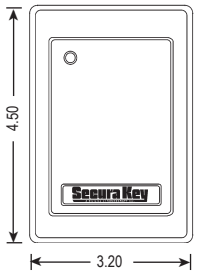
RKDT-PPLX Family Installation Instructions

SWITCHPLATE INSTALLATION DIAGRAM

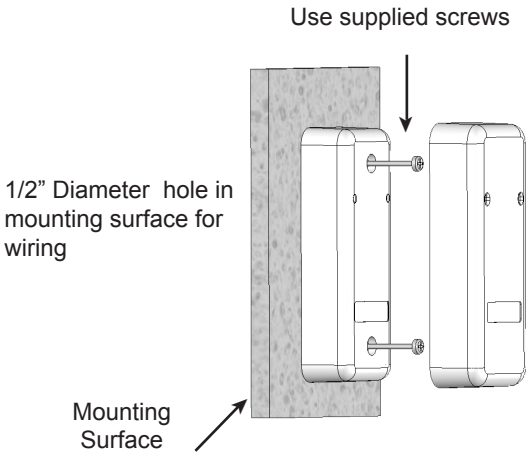


INSTALLATION STEPS FOR RKDT-SA-S/PPLX:

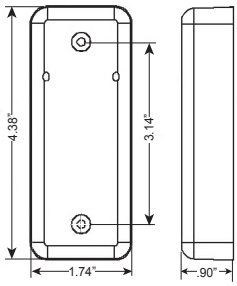


1. If mounting the unit outdoors, especially on a rough surface like masonry, we recommend that you seal the reader with silicone caulking.
2. Drill holes as needed per installation diagram shown to the left or install a single gang j-box.
3. Run field wiring to reader location and feed into j-box or through cable hole.
4. Attach the mounting plate to the mounting surface or j-box with the appropriate fasteners.
5. Splice the connector pigtail to field wiring. Insert the connector into the back of the reader.
6. Attach the housing to the mounting plate by inserting the two tabs inside the top of the housing into the two slots at the top of the mounting plate.
7. Secure by installing supplied screw into the hole at the bottom of the reader.

MULLION INSTALLATION DIAGRAM

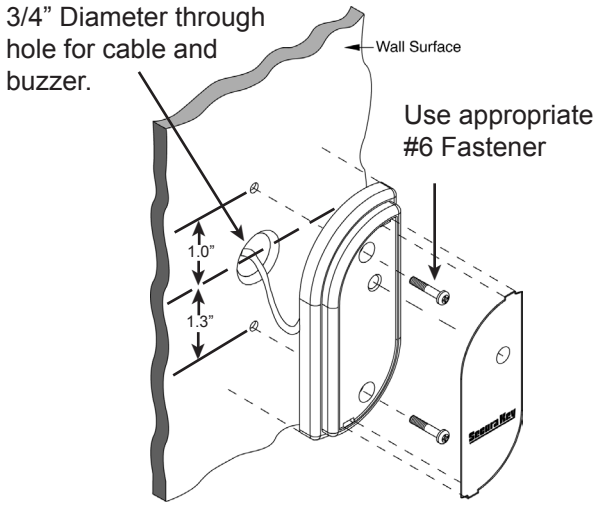


INSTALLATION STEPS FOR RKDT-SA-M



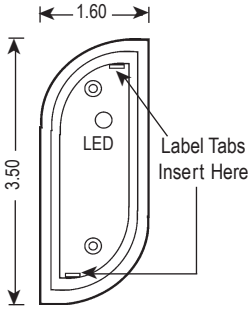
1. If mounting the unit outdoors, especially on a rough surface like masonry, we recommend that you seal the reader with silicone caulking.
2. Drill a hole for the field wiring. Remove decorative cover from reader. Using the reader as a template, mark the location of the two mounting holes. Drill two 1/8" pilot holes for the mounting screws.
3. Run field wiring to reader location and feed through cable hole.
4. Splice the connector pigtail to field wiring. Insert the connector into the back of the reader.
5. Attach the reader to the surface using the two machine screws provided. These may be replaced with tamper proof screws (customer supplied).
6. Slip on the decorative cover (if used) until both tabs snap into place.

MULLION INSTALLATION DIAGRAM



INSTALLATION STEPS FOR RKDT-WM

1. Drill holes as needed per installation diagram shown to the left.
2. Feed cable through 3/4" hole.
3. Attach reader to any flat surface with two #6 screws.
4. Snap label insert into front of reader to cover screws.



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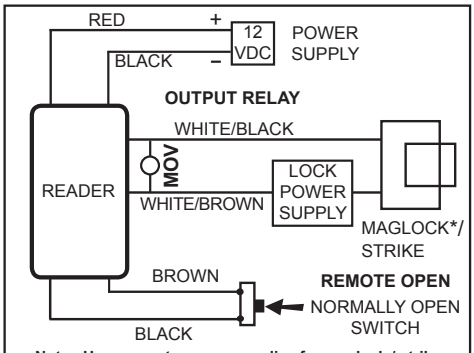
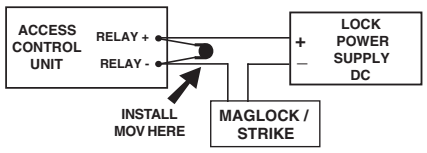
TYPICAL INSTALLATION



Note: Use separate power supplies for maglock / strike and for access control unit.
*** Relay defaults to Normally Open.**
For Maglock, see "Configure Relay Output" section in Manual.

Installation of Metal Oxide Varistor



Install the enclosed 40-volt MOV (Metal Oxide Varistor) across the relay contacts in the access control unit, as shown. The Access Control Unit must have its own power supply.

RKDT/PPLX WIRING CONNECTIONS

WIRE COLOR	REMOTE OPEN STANDALONE	LED CONTROL WIEGAND
GREEN	DATA-0	DATA-0
WHITE	DATA-1	DATA-1
VIOLET	RXD	N/A
GRAY	TXD	N/A
ORANGE	GREEN LED INPUT (3, 1)	GREEN LED INPUT (3, 1)
BROWN	REX LATCH + TIMER (2, 1)	RED LED INPUT (3, 1)
YELLOW	BEEPER INPUT (1)	BEEPER INPUT (1)
BLUE	HOLD (1)	HOLD (1)
RED	5-14 VDC +	5-14 VDC +
BLACK	GROUND ---	GROUND ---
WHITE/BLACK	RELAY +	NA
WHITE/BROWN	RELAY -	NA

(1) Connect to GROUND to activate
(2) Input Programmed for Remote Open
(3) Input Programmed for LED/Beeper Control

SPECIFICATIONS:

POWER REQUIREMENTS
5-14 VDC, 150 mA Max.

OUTPUTS
SPST Solid State Relay, 1A max. @60 VAC or DC
Normally open or normally closed (field programmable) (See Operating Guide).

INPUTS
Default is Remote Open (requires contact closure).
Also programmable as Red LED Control for online systems (see Operating Guide).
Additional inputs for Green LED, Beeper and HOLD are available in Wiegand mode.

WIEGAND OUTPUT
Any Wiegand Format up to 40 bits
Maximum Distance: 500 ft. - 5 or 8 conductor 20 gauge cable

ENVIRONMENT
Access Control Unit, Key Tags and Cards

Ambient Temperature	-40° to +70°C (-40° to +158°F)
Humidity	0 to 95% (non-condensing)

PARTS SUPPLIED:

Access Control Unit
MOV
Operating Guide
Installation Instructions
Log Sheet

RKDT-SA-S/RKDT-WM/PPLX
Mounting Plate
2, #6 Mounting Screws
1, 4x40 Screw
1, Security Screw
1, Cable Assembly
1, Snap-In Labels (RKDT-WM Only)

RKDT-SA-M
2, #6 Mounting Screws
Cable Assembly
Decorative Cover

ACCESSORIES (NOT INCLUDED):

RK-HHP	Hand-Held Programmer
RK-PS:	9VDC Plug-in Power Supply. It is designed to power the RKDT-SA-M/SA-S. Requires 110 Volts AC power.
SK-SR	SecuRelay™ - Smart Relay Module DPDT.

INSTRUCTION TO THE USER
FCC ID: NNHDTR1

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 or 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.

In order to maintain compliance with FCC regulations, unshielded cables must be used with this equipment. Operation with non-approved equipment or shielded 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 manufacturer could void the user's authority to operate this equipment. "This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

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