

RAC2203 Installation

Single Door Installation:



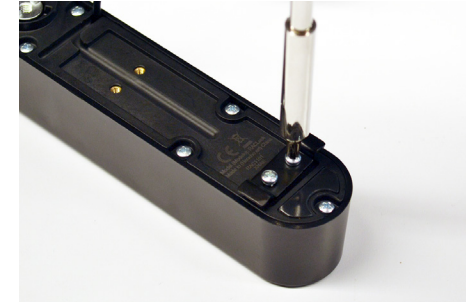
1 Remove the existing lock and hardware from the door.



2 Set the cam arm aside for later use.



3 Remove the 2 screws holding the top bracket on the back of the RAC Lock body.



4 Remove the 2 screws holding the bottom bracket on the back of the RAC Lock body.



5 Remove the brackets and screws from the RAC Lock and set aside.



6 Place an installer OneKEY into the IR port on the lock and press the button on the key.

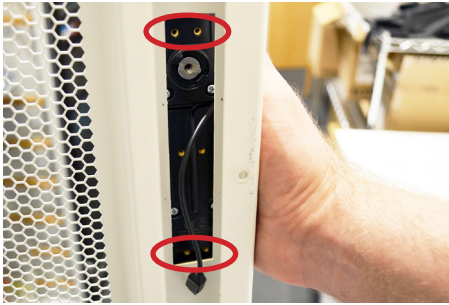


7 The handle will pop up.



8 Peel the clear film from the 2 adhesives on the back of the RAC Lock.
Note: The adhesives are located at the top and bottom of the RAC Lock body.

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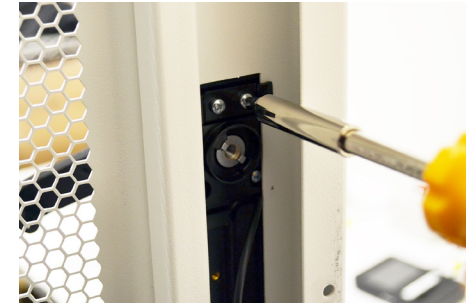
- 9 Feed the RAC Lock cable through the opening on the rack cabinet door. Ensure that the brass inserts are centered in the opening.
Note: Prior to application, use the provided alcohol wipe to clean the area where the sensor will be placed. Allow it to dry completely.



- 10 Press the Rac Lock against the door for at least 10 seconds.



- 11 Ensure that the screws are oriented in the bracket as shown above.



- 12 Align one of the brackets with the top screw inserts. Tighten the 2 screws to secure the bracket.



- 13 Repeat for the bottom bracket.



- 14 Turn the handle on the Rac Lock to the open position.



- 15 Place 3 of the spacers onto the adapter.



- 16 Place the adapter onto the lock with the scribe mark facing towards the edge of the door.

Sensor Installation:



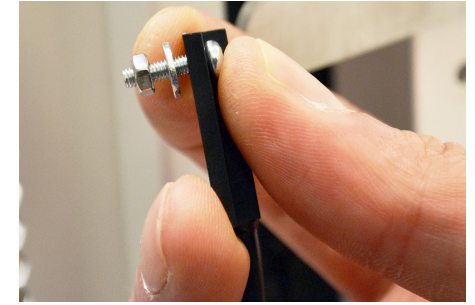
- 17 Place the cam arm onto the adapter.



- 18 Insert and tighten the screw to secure the cam arm to the adapter.



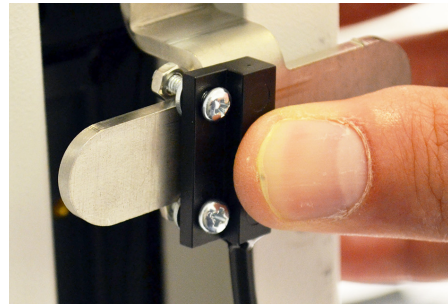
- 19 Connect the sensor cable to the Rac Lock cable.



- 20 Insert one of the screws through a hole on the end of the sensor. Place a washer and nut onto the end of the screw.



- 21 Repeat for the other hole.



- 22 Slide the sensor onto the left side of the cam arm.

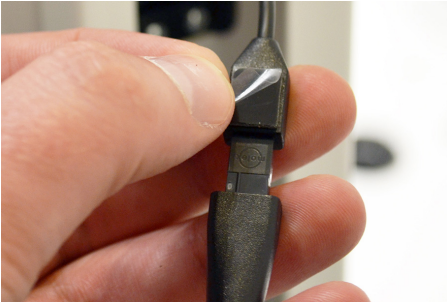


- 23 Slide the sensor onto the left side of the cam arm. Tighten the screws into the nuts to secure the sensor on the cam arm.



- 24 Use the provided alcohol wipe to clean the area beneath the Rac Lock. Allow it to dry completely.

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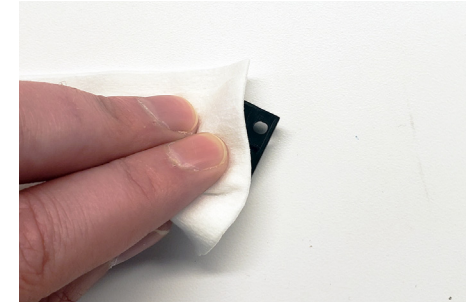
- 25 Peel the clear film from the adhesive on the cable junction.



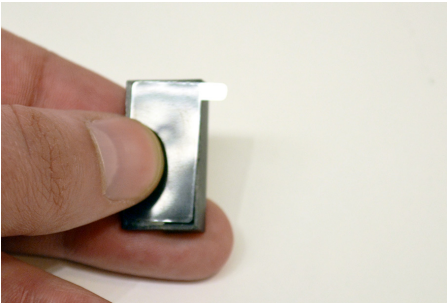
- 26 Press the adhesive against the door panel for at least 10 seconds.



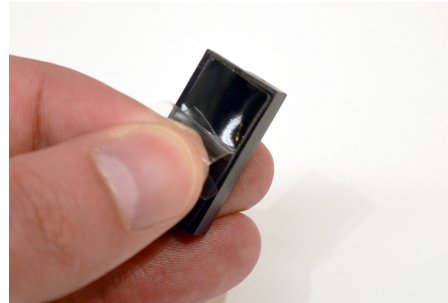
- 27 **Adhesive Mounting:** Use the alcohol wipe to clean the area near the door latch. Allow it to dry completely.



- 28 Use an alcohol wipe to clean the back of the independent sensor. Allow it to dry completely.



- 29 Remove one of the adhesives from its backing and place it onto the independent sensor. Press the adhesive onto the sensor for at least 10 seconds.



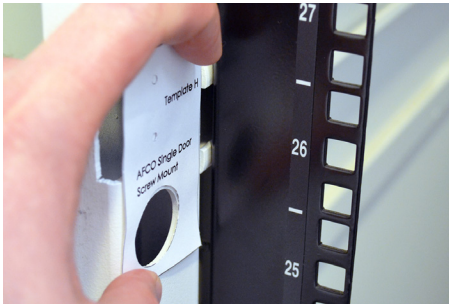
- 30 Peel the clear film from the adhesive on the independent sensor.



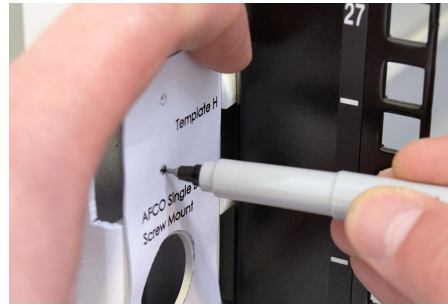
- 31 Place Template K onto the door frame so that the large hole in the template aligns with the hole on the frame.



- 32 Place the sensor into the rectangular cutout in the template. Apply pressure for at least 10 seconds.
Note: The thinner side of the sensor should face in towards the rack.



33 Screw Mounting:
Place Template H onto the door frame so that the large hole in the template aligns with the hole on the frame.



34 Mark the 2 hole positions.



35 Drill the 2 pilot holes using a #44 drill bit.



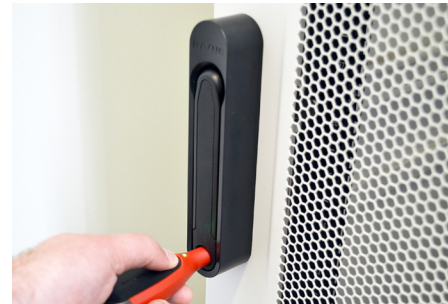
36 Align the holes on the sensor to the pilot holes. Secure the sensor to the frame using the included self tapping screws.



37 Close the door and rotate the Rac Lock to the latched position.



38 Place the Installer OneKEY into the hole on the Rac Lock handle and push it into the Rac Lock body.



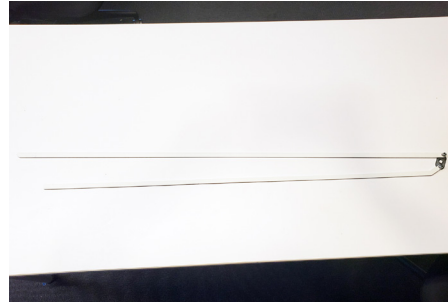
39 Press the button on the OneKEY to activate the lock.

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Double Door Installation:



- 1 Remove the screw holding the swing bar.



- 2 Remove the swing bar and set aside.



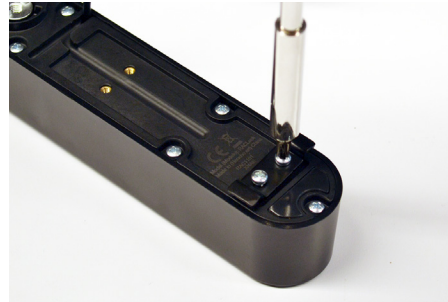
- 3 Remove the adapter from the existing lock.



- 4 Remove the existing lock and hardware.



- 5 Remove the 2 screws holding the top bracket on the back of the RAC Lock body.



- 6 Remove the 2 screws holding the bottom bracket on the back of the RAC Lock body.



- 7 Remove the brackets and screws from the RAC Lock and set aside.



- 8 Place an installer OneKEY into the IR port on the lock and press the button on the key.

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9 The handle will pop up.



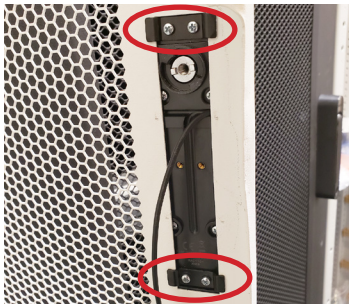
10 Peel the clear film from the 2 adhesives on the back of the RAC Lock.
Note: The adhesives are located at the top and bottom of the RAC Lock body.



11 Feed the RAC Lock cable through the opening on the rack cabinet door. Press the Rac Lock against the door for at least 10 seconds.



12 Ensure that the screws are oriented in the bracket as shown above.



13 Align one of the brackets with the top screw inserts. Tighten the 2 screws to secure the bracket. Repeat for the bottom bracket.



14 Turn the handle on the Rac Lock to the open position.



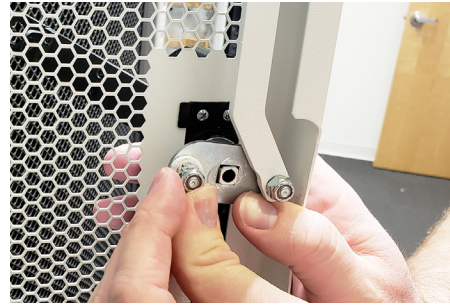
15 Place 2 of the spacers onto the adapter.



16 Place the adapter onto the lock with the scribe mark facing towards the edge of the door.



17 Insert the ends of the lock bar into the brackets at the top and bottom of the door.



18 Place the lock bar bracket onto the lock adapter. The lock bar should be installed in the open position, as shown.



19 Insert and tighten the screw to secure the lock bar bracket to the lock adapter.

Sensor Installations:



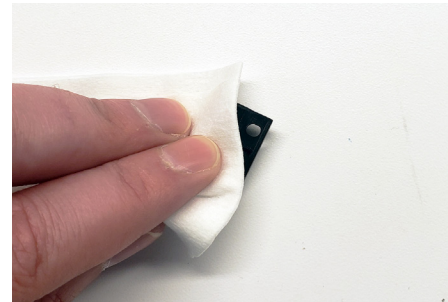
20 Adhesive Mounting - Bottom Position:
Clean the inner edge at the bottom of the rack near the small hole using the provided alcohol wipe. Allow it to dry completely.



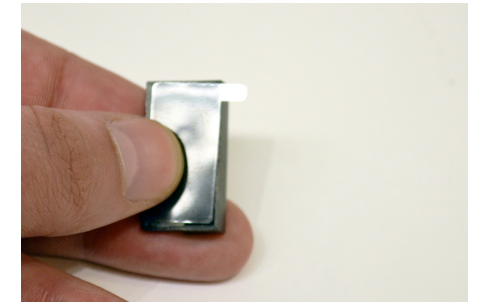
21 Fold Adhesive Mounting Template D as shown.



22 Align the hole on the template with the hole at the bottom of the rack. **Note:** Use the provided alcohol wipe to clean the area. Allow it to dry completely.



23 Use an alcohol wipe to clean the back of the independent sensor. Allow it to dry completely.



24 Remove one of the adhesives from its backing and place it onto the independent sensor. Press the adhesive onto the sensor for at least 10 seconds.

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- 25 Peel the clear film from the adhesive on the independent sensor.



- 26 Place the sensor into the cutout in the template. Apply pressure for at least 10 seconds.



- 27 **Screw Mounting - Bottom Position:**
Fold the Screw Mounting Template A and align the hole on the template with the hole at the bottom of the rack.



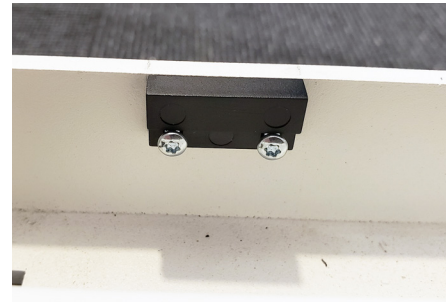
- 28 Align the hole on the template with the hole at the bottom of the rack.



- 29 Mark the 2 hole positions.



- 30 Drill 2 small pilot holes using a #44 drill bit.



- 31 Align the holes on the sensor to the pilot holes. Secure the sensor to the frame using the included self tapping screws.

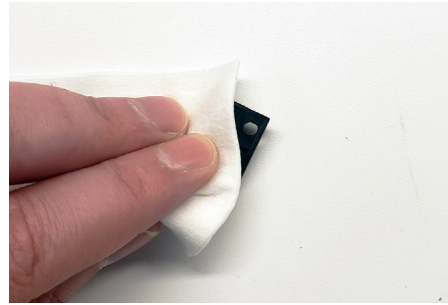


- 32 **Adhesive Mounting - Top Position:**
Use the provided alcohol wipe to clean the inner edge at the top of the rack near the latch hole. Allow it to dry completely.

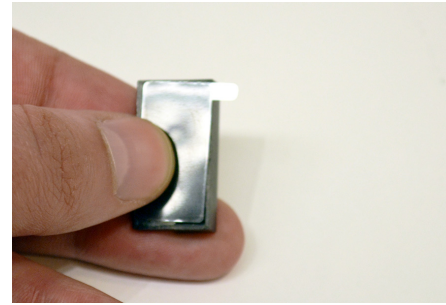
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33 Fold Template F as shown.



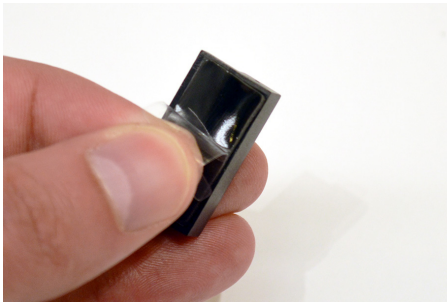
34 Use an alcohol wipe to clean the back of the independent sensor. Allow it to dry completely.



35 Remove one of the adhesives from its backing and place it onto the independent sensor. Press the adhesive onto the sensor for at least 10 seconds.



36 Align the template with the latch hole at the top of the rack



37 Peel the clear film from the adhesive on the independent sensor.



38 Place the sensor into the cutout in the template.



39 Apply pressure for at least 10 seconds.



40 **Screw Mounting - Top Position:** Fold Template C as shown.

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- 41 Align the template with the latch hole at the top of the rack.



- 42 Mark the 2 hole positions.



- 43 Drill 2 small pilot holes using a #44 drill bit.



- 44 Align the holes on the sensor to the pilot holes. Secure the sensor to the frame using the included self tapping screws.



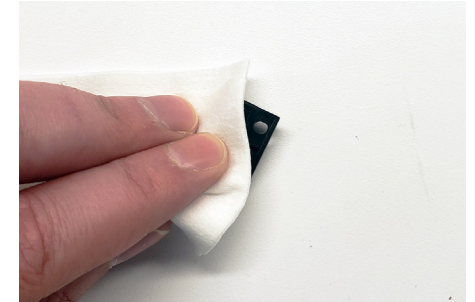
- 45 **Adhesive Mounting - Door Position:**
Place Template E onto the door frame.



- 46 Ensure that the bottom of the template is aligned with the top of the cut out towards the bottom of the door.

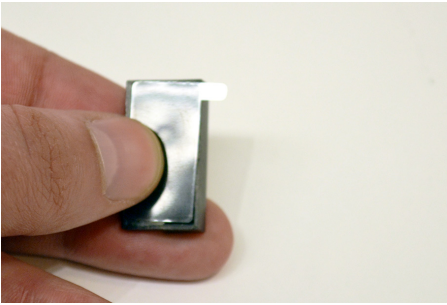


- 47 Clean the area on the door where the sensor will sit. Allow it to dry completely.

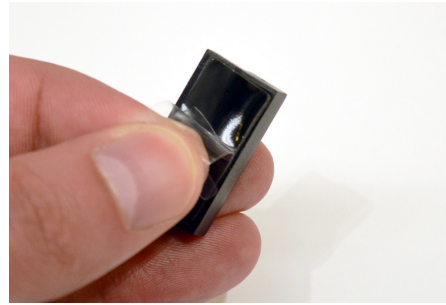


- 48 Use an alcohol wipe to clean the back of the independent sensor. Allow it to dry completely.

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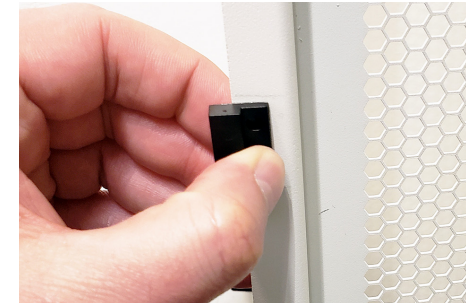
- 49** Remove one of the adhesives from its backing and place it onto the independent sensor. Press the adhesive onto the sensor for at least 10 seconds.



- 50** Peel the clear film from the adhesive on the independent sensor.



- 51** Place the sensor into the cutout in the template.



- 52** Apply pressure for at least 10 seconds.



- 53** **Screw Mounting - Door Position:** Place Template B onto the door frame. Ensure that the bottom of the template is aligned with the top of the cut out towards the bottom of the door.



- 54** Mark the 2 hole positions.

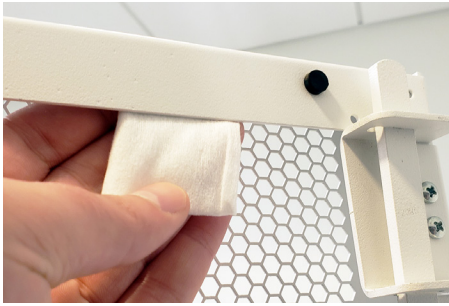


- 55** Drill 2 small pilot holes using a #44 drill bit.

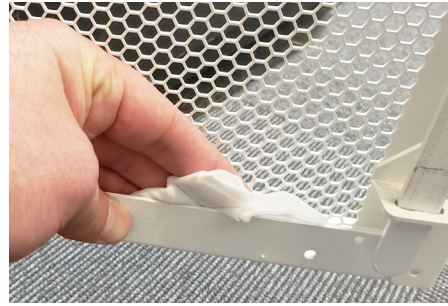


- 56** Align the holes on the sensor to the pilot holes. Secure the sensor to the frame using the included self tapping screws.

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- 57** Use the provided alcohol wipe to clean the inside top edge of the door near the lock bar. Allow it to dry completely.



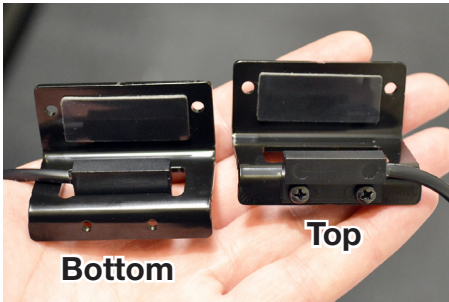
- 58** Clean the inside bottom edge of the door near the lock bar. Allow it to dry completely.



- 59** Clean the lower part of the back of the Rac Lock. Allow it to dry completely.



- 60** Connect the sensor cable to the Rac Lock cable.



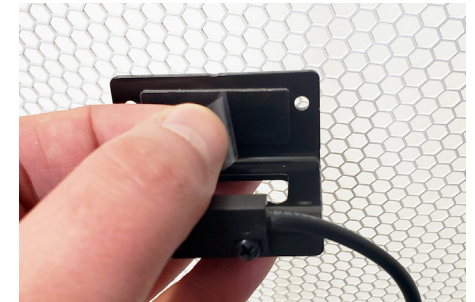
- 61** Identify the sensor bracket positions
- The bracket with the sensor set in the center is the bottom bracket
 - The bracket with the sensor set towards the edge is the top bracket.



- 62** Peel the clear film from the 2 adhesives on the cable junction on the sensor cable.

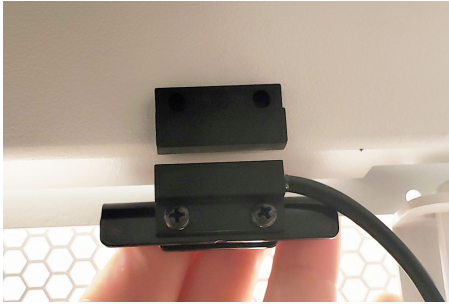


- 63** Press the cable junction against the back of the Rac Lock for at least 10 seconds. Ensure that the cables leading to the bracket positions are facing in the correct direction.



- 64** Peel the clear film from the top bracket.

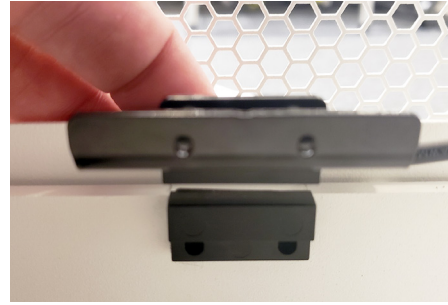
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- 65 Close the door and align the top bracket with the top sensor. Apply pressure for at least 10 seconds.



- 66 Peel the clear film from the adhesive on the bottom bracket.



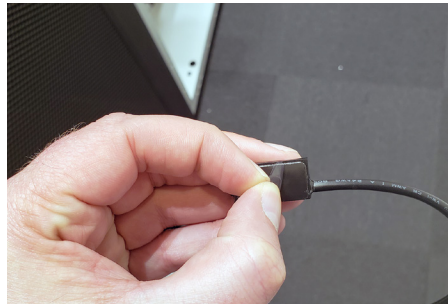
- 67 Close the door and align the bottom bracket with the bottom sensor. Apply pressure for at least 10 seconds.



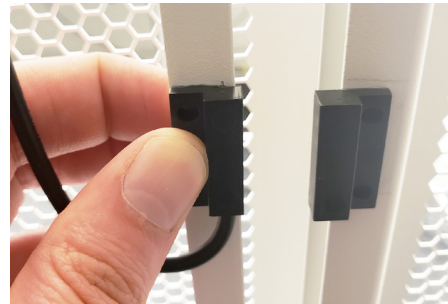
- 68 Move the handle to closed position, leaving the door open.



- 69 Use an alcohol wipe to clean the area that will align with the independent sensor installed on the opposite door.



- 70 Peel the clear film from the 3rd sensor.



- 71 Place the sensor as shown so that it aligns with the sensor on the other door. Apply pressure for at least 10 seconds.

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Cable Manager Installations:



- 72** Clean an area on the inside track of the door frame approximately halfway between the Rac Lock body and the top of the door. Allow it to dry completely.



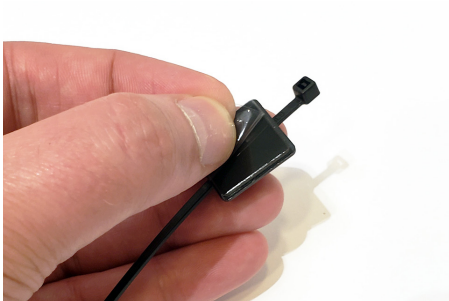
- 73** Clean an area on the inside track of the door frame approximately halfway between the Rac Lock body and the bottom of the door. Allow it to dry completely.



- 74** Clean the inside corner of the door frame near the installed bottom sensor bracket. Allow it to dry completely.



- 75** Insert a zip tie through a cable manager as shown.



- 76** Peel the clear film from the adhesive on the cable manager.



- 77** Place the cable manager in the cleaned area between the Rac Lock and the top of the door. Apply pressure for at least 10 seconds. Close the zip tie over the sensor cable.

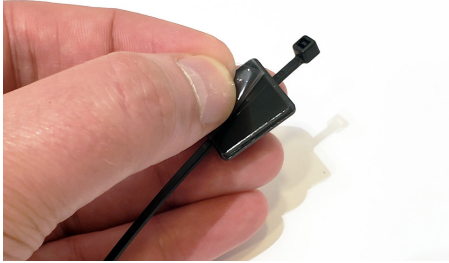


- 78** Trim the excess zip tie material.

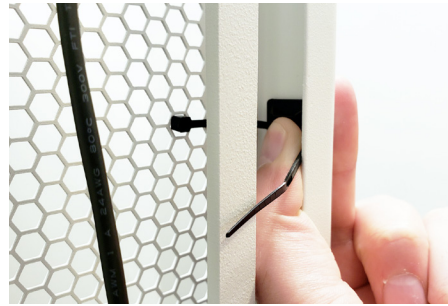


- 79** Insert a zip tie through a cable manager as shown.

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80 Peel the clear film from the adhesive on the cable manager.



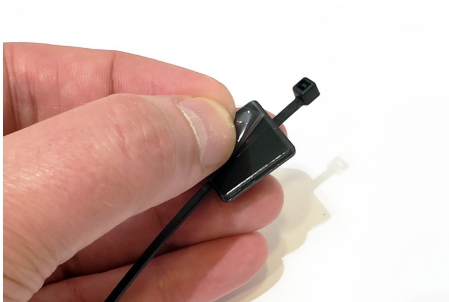
81 Place the cable manager in the cleaned area between the Rac Lock and the bottom of the door. Apply pressure for at least 10 seconds.



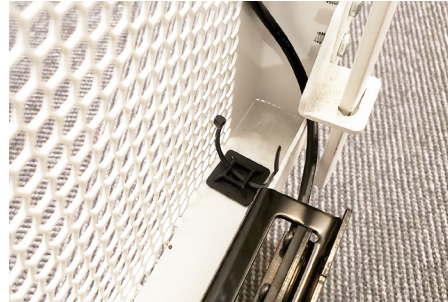
82 Loop the zip tie around the 2 cables. Trim the excess material.



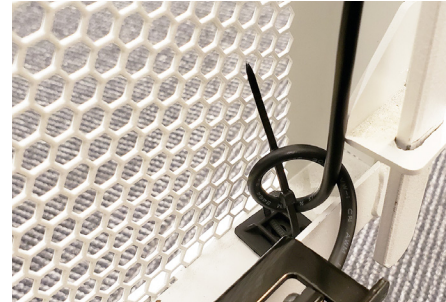
83 Insert a zip tie through a cable manager as shown.



84 Peel the clear film from the adhesive on the cable manager.



85 Place the cable manager in the cleaned area near the bottom sensor bracket. Apply pressure for at least 10 seconds.



86 Loop the excess cable and secure it with the zip tie.



87 Trim the excess zip tie material.

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88 Close and latch the the doors.



89 Place the Installer OneKEY into the hole on the Rac Lock handle and push it into the Rac Lock body.



90 Press the button on the OneKEY to activate the lock.

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