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MODEL NUMBER: _____
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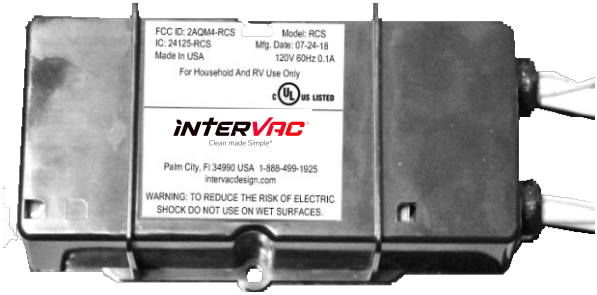
Manual # **M-14**
Date: 8/2018 Rev.:10/19/2026

INSTALLATION AND OPERATING MANUAL

MODEL RCS Remote Pistol Grip Transmitter and RCS Receiver

(For 1-1/4" Central Vacuum or Stretch Hose)

RCS Pistol Grip Transmitter



RCS Receiver

IF YOU SHOULD HAVE ANY QUESTIONS OR EXPERIENCE A PROBLEM WITH YOUR INTERVAC PRODUCT, DO NOT RETURN THIS PRODUCT TO THE STORE OR DEALER, PLEASE CALL OUR SERVICE DEPARTMENT AT: 1-888-499-1925, WE ARE HERE TO HELP.

WARNING: Owner read carefully.
This manual must be read and understood before installation, adjustment, service, or maintenance is performed. This unit should be installed by a qualified technician.

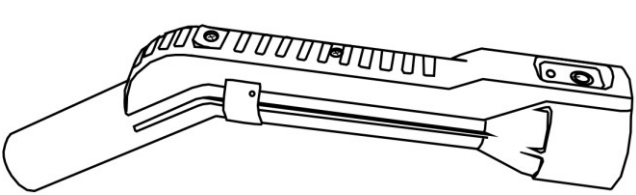
MADE IN USA

InterVac Design Corp.,
2939 SW 42nd Ave. Palm City, Fl. 34990
1-888-499-1925 www.intervacdesign.com •
e-mail: intervac@intervacdesign.com

FC IC
US LISTED
66XF

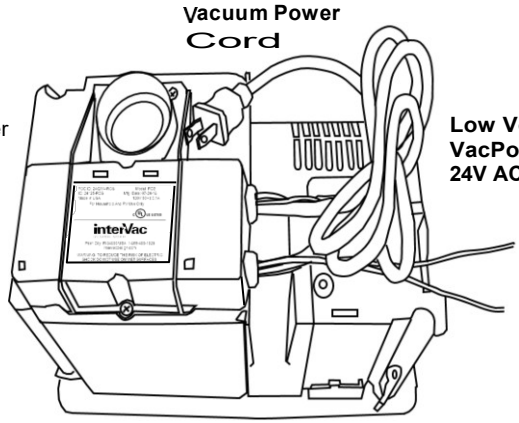
This Remote-Control System allows for wireless control of your vacuum. Depending on your needs, the system can be used with our InterVac or other Central Vacuum Systems.

- Pistol Grip Transmitter:
  Connects to your vacuum hose. Use with the Built-in or Stand-Alone



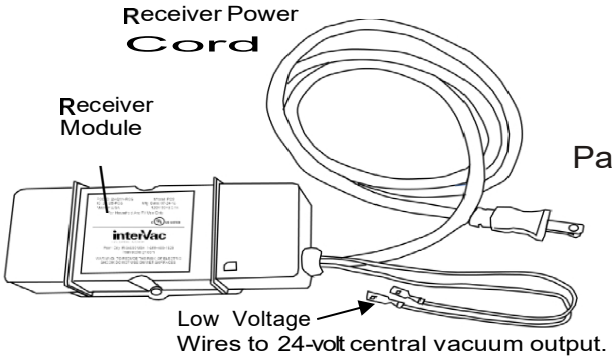
Part #A-30

- Built-In Receiver: Combined with your InterVac CS-RM vacuum.



Part# A-31

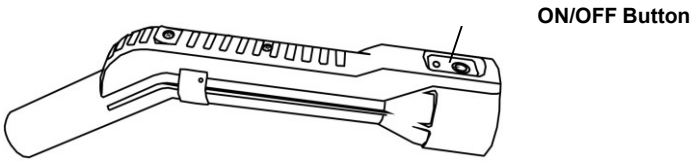
- Stand-Alone Receiver: Can be used with other central vacuums.

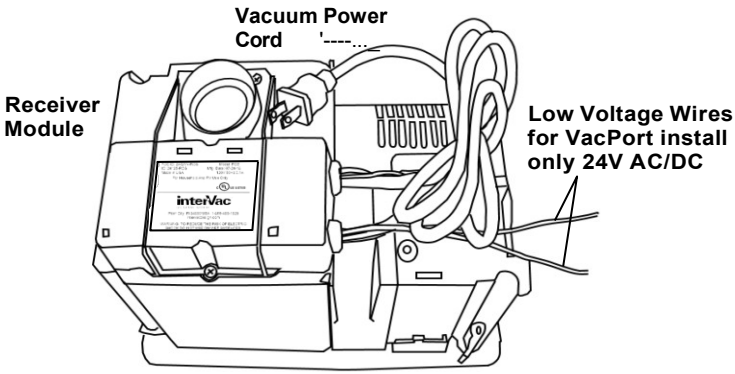


Part #A-32

Installation: Built-In Receiver for The InterVac CS-RM Model

Follow the InterVac Design Installation procedures described in Manual M-10. No additional installation procedures are needed.





Programming Instructions: Built-In Receiver

1. Simultaneously, press and hold Pistol Grip Transmitter button (Fig. A) while plugging the vacuum into a 110vac 60Hz outlet (Fig. B).

   - If access to the vacuum plug is not available, flipping the vacuum's circuit breaker OFF and ON while pressing the Pistol Grip button will do the same thing.

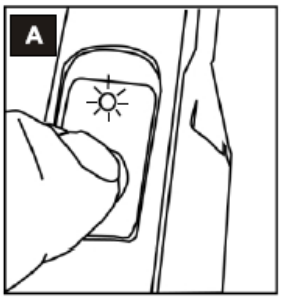
   - When the Pistol Grip button is pressed, the transmit LED will turn ON.

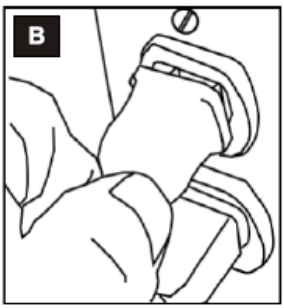
2. When the Receiver Module "beeps" release the Pistol Grip button.

   - If programmed properly, the Receiver Module will "beep" three times.

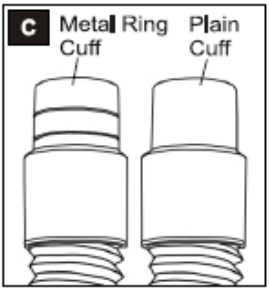
   - If the Receiver Module did not beep, repeat steps 1 and 2 above.

3. Once programmed, momentarily pressing the Pistol Grip button, it will turn the vacuum ON or OFF.
   Do not hold down the button as it will greatly reduce battery life.

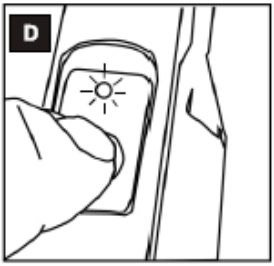




Installation: Stand-Alone Receiver: for Central Vacuums



Most central vacuum systems use a metal ring on the hose end (cuff) to make electrical contact with the vacuum, turning the vacuum ON and OFF. For the Remote Pistol Grip Transmitter to work properly, the metal ring cuff (Fig. C) on the end of the vacuum hose must be removed.



1. To remove, unscrew the metal ring cuff in a <u>counterclockwise</u> direction from the hose (Fig. F).

2. Screw a replacement plain cuff <u>clockwise</u> onto the hose (Fig. G). You can use a little soapy water on the threads to make installation easier.

3. If the cuff cannot be removed easily, one of the two Following can be done:

   The cuff can be cut off and then replaced where shown in Fig. F.

   The wires connected to the exciting vacuum valves can be disconnected.

   To disconnect:

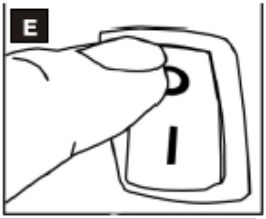
   A. Unplug your central vacuum system (Fig. H).

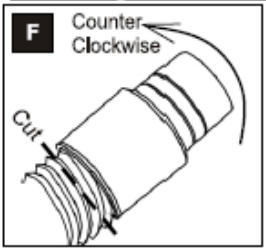
   B. Unscrew and remove the valve (Fig. I) from its location and disconnect one wire (Fig. J).

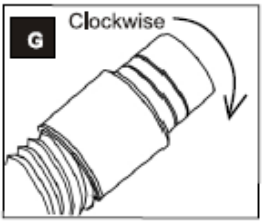
   C. **Use electrical tape or a wire nut to protect each loose wire from causing an electrical short.**

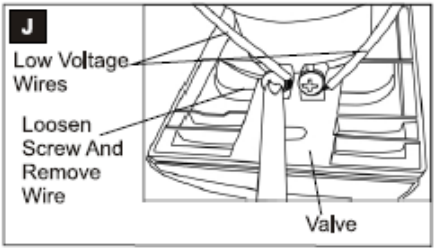
   D. Return the vacuum valve to its original location and secure with the two screws removed earlier.

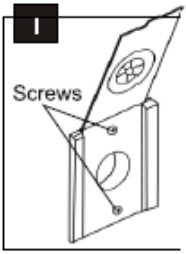
   E. Plug your vacuum system back in (Fig. H).



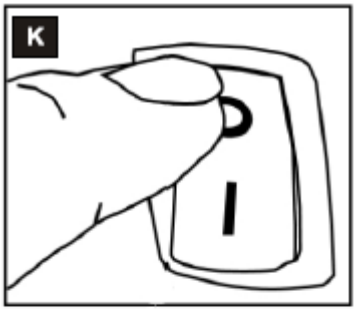








Installation: Stand-Alone Receiver for Central Vacuums



5. Turn the central vacuum switch OFF and unplug the vacuum power cord (Fig. K, L).

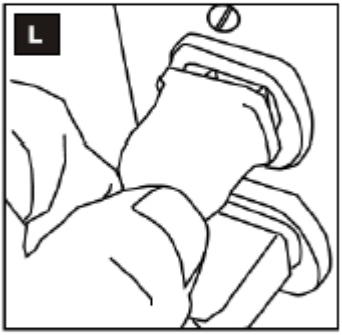
6. If sweeper pan(s) (Fig. M) are not used, connect the 2 low voltage wires directly to the vacuum's low voltage connection (Fig. N) or in parallel (Fig. 0), anywhere the vacuum's low voltage wiring is available.

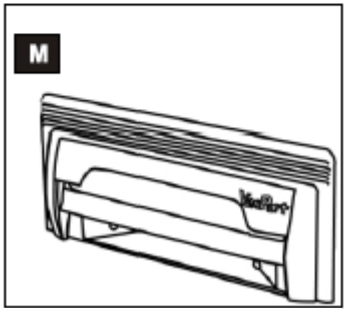
7. If sweeper pan(s) (Fig. **M)** are used, connect wires in parallel, anywhere the vacuum's low voltage wiring is available (Fig. 0).

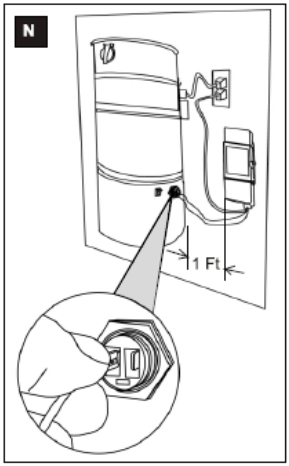
8. Mount the Receiver at least 1 foot (30.5cm) away from the vacuum (Fig. N). Secure the Receiver to a wall using the Receiver Module's mounting holes (Fig. 0) and user supplied hardware as needed. For convenience, the Receiver can be mounted at any angle or position.

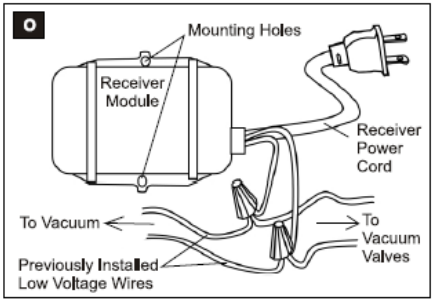
9. Plug the Vacuum and Receiver power cords back in (Fig. I). If using the Pistol Grip Remote, do not turn the vacuum switch ON (Fig. K).

10. The system is ready to be programmed.

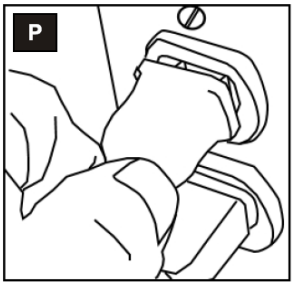








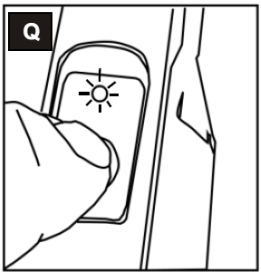
Programming Instructions: Stand-Alone Receiver for Central Vacuums



1. Simultaneously, press and hold Pistol Grip Transmitter button (Fig. A) while plugging the vacuum into a 110vac 60Hz outlet (Fig. B).

   - If access to the vacuum plug is not available, flipping the vacuum's circuit breaker OFF and ON while pressing the Pistol Grip button will do the same thing.

   - When the Pistol Grip button is pressed, the transmitters LED will turn ON.



2. When the Receiver Module "beeps" release the Pistol Grip button.

   If programmed properly, the Receiver Module will "beep" three times.

   If the Receiver Module did not beep, repeat steps 1 and 2 above.

3. Once programmed, momentarily pressing the Pistol Grip button for less than a second will turn the vacuum ON or OFF. Do not hold down the button as it will greatly reduce battery life.

Additional Notes:

Do not hold the Pistol Grip button down for an extended period of time as it will greatly reduce battery life.

Removing power (unplugging) from the vacuum does not affect the current programming of the Pistol Grip Transmitter.

- Only one Pistol Grip Transmitter can be programmed for use with the Receiver Module at a time.

- Program codes automatically change each time a Pistol Grip Transmitter and Receiver Module is programmed.

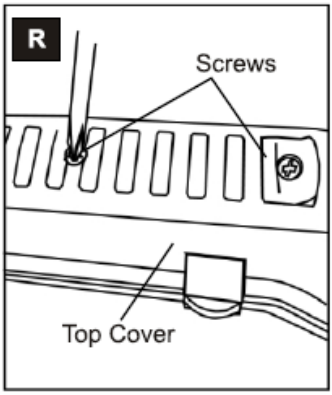
- When the Pistol Grip Transmitter button is held down continuously, it will continue to transmit for 9 seconds and then turn OFF.

- Once the metal ring hose cuff is replaced or the valve wire disconnected, the vacuum will only turn ON when the Remote-Control Pistol Grip button has been pressed or when the switch on the vacuum must be turned ON.

- The vacuum switch must be turned OFF for remote control use.

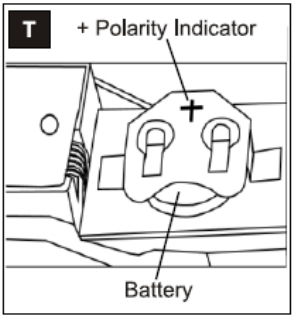
Battery Replacement:

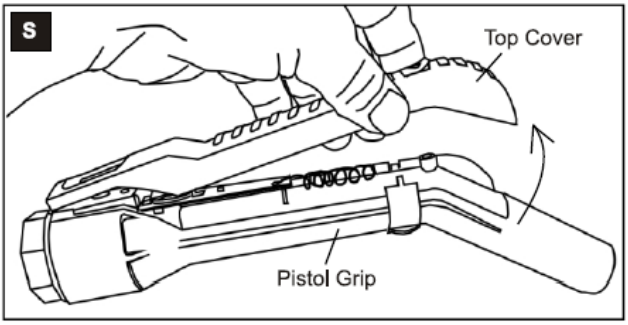
Normal battery life is expected to be 2 years. If the performance (range) in which the pistol grip functions away from the receiver is reduce, replace the battery to correct the issues. Note: Replacing the battery may require the Pistol Grip Remote to be reprogrammed.

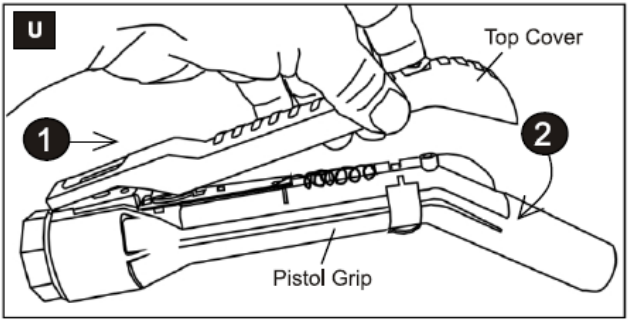


1. Remove the 2 Philips head screws from the Pistol Grip Remote (Fig. R).
2. Remove the top cover (Fig. S).
3. Carefully remove the CR2032 battery as shown in Fig. T.
3. Insert a new CR2032 battery, making sure to install the battery with the polarity correct (Fig. T).
4. Carefully replace the top cover by:
   - 4.1. Hooking the top cover onto the Pistol Grip as shown in Fig. U.
   - 4.2. Lowering the top cover onto the Pistol Grip as shown in Fig. U.
   - 4.3. Replacing the 2 Philips head screws (Fig. R).

5 Follow "Programming Instructions" steps 1-3 as described in the beginning of this manual.







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.
Note: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

LIMITED WARRANTY

InterVac Design Corp. warrants power units and VacPorts for two (2) years, and accessories for thirty (30) days, from the original purchase date against defects in materials or workmanship. Normal wear and replacement of consumables are not covered. No cash refunds.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered. **You must return your warranty card or register on our website to be covered under these provisions.** This warranty only covers failures due to defects in materials or workmanship which occurs during normal use and does not cover damage which occurs in shipment or failures which are caused by products not supplied by InterVac Design, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, or commercial use such as hotel, office, restaurant or rental use of the product, or service by anyone other than an authorized service center, or damage that is attributable to acts of God. There are no expressed warranties except as listed above.

LIMITS AND EXCLUSIONS:

InterVac Design shall not be liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. All expressed and implied warranties, including the warranties of merchantability and fitness for a particular purpose, are limited to the applicable warranty period set forth above. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty last, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights that *vary* from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or our service center. If the problem is not handled to your satisfaction, then write to the Customer Service Center at the company address.

Electrical supply and warranty

M14 | Revision 19 October 2026

Limited warranty

Power units and VacPorts: two (2) years from the original purchase date.

Accessories: thirty (30) days from the original purchase date.

Warranty coverage applies to defects in materials or workmanship. Normal wear and normal replacement of consumables are not covered. Retain proof of purchase. The other applicable warranty conditions in this manual remain in effect.