



CPRTK-4 kit shown

CPRTK-2 Stock number - 0090177 (For Dry Pipe and all Riser Mount (RM) Styles)

CPRTK-4 Stock number - 0090178 (For older-style ceiling-mount, NOT Riser Mount (RM) Styles)

NOTICE

Carefully read and follow the instructions and procedures provided in this and referenced documents. Failure to do so will inhibit the ability to provide accurate and complete test results.

Do not handle the coupons or probes with your bare hands. Use the latex gloves provided.

The CPRTK contains necessary components to remove, replace, and forward for analysis, the test coupons and water sample from a Potter Corrosion Monitoring Station.

Test Kit Includes:

- Two C1010 Mild Steel Corrosion Coupons (One for CPRTK-2)
- Two Corrosion Monitoring Probes (One for CPRTK-2)
- Two CDA 360 Non-Ferrous Brass Coupons (One for CPRTK-2)
- Corrosion Coupon Insertion Confirmation Sheet
- 120cc Bottle with Cap (Used for Wet Pipe Systems Only)
- One Pair of Latex Gloves

Tools Required:

- Pipe wrench or 14" adjustable wrench to remove and replace coupon holders and probes.
- Container used to drain water from the isolated coupon rack.
- Phillips head screwdriver to remove and re-install coupons to the coupon holders.
- Teflon tape

Procedure

Wet Pipe Systems: Use Model CPRTK-4

(With older-style ceiling mount, not Riser Mount (RM) style.)

1. Turn the two 1" ball valves (PCMS) or butterfly valve (PCMS-LP) to closed position to isolate the coupon rack from the fire sprinkler system.
2. Verify that the 1/2" drain valve is in the closed position. Remove the 1/2" drain plug.
3. Relieve system pressure from the coupon rack by opening the drain valve slowly. **Do not drain the coupon rack completely at this time.** Use a container or bucket to catch the escaping water.

NOTE: The water in the coupon rack will be pressurized to the system pressure. After the system pressure has been relieved, close the drain valve.

4. Fill the 120cc bottle by opening the drain valve slowly. Close the 1/2" drain valve.
5. **Securely affix** the cap to the bottle by making sure the cap screws on tightly. Tape cap to bottle.
6. Drain the remaining water from the coupon rack through the 1/2" drain valve into a container. Close the 1/2" drain valve. Re-install the 1/2" plug into drain valve.
7. Locate the plastic document holder (should be attached to the monitoring station). Locate the completed coupon insertion confirmation sheet and original coupon envelopes. Find the coupon envelope that corresponds with Outlet #1.
8. Remove the coupon holder from Outlet #1. Use a screwdriver to loosen the plastic screw and nut. (See Fig. 1) Remove the coupon from the coupon holder and place the coupon into the corresponding original coupon envelope. Repeat this process on outlet #5. (See Fig. 3)

DO NOT HANDLE COUPONS OR PROBES WITH BARE HANDS.

9. Notify the fire system administrator to disable the fire panel zone connected to the corrosion monitoring probe. Remove the pressure switches from the corrosion monitoring probes on outlet #3 and #6 (See Fig. 3). If a union was used between the pressure switch and the corrosion monitoring probe you will not have to disconnect the wiring to the pressure switch. Remove corrosion monitoring probes from outlet #3 and #6 and discard.
10. Remove the corrosion monitoring probe from the sealed packaging using the latex gloves provided. Carefully remove the protective cardboard sleeve. Apply Teflon tape to the 1" NPT male pipe threads and install the new probe in the same outlet the old probe was removed from.
11. Remove the new corresponding coupon from the new coupon envelope. Do NOT discard the envelope.
 - Ferrous/mild steel locations are for C1010 coupons.
 - Non-Ferrous/Brass locations are for CDA 360 coupons.
12. Confirm the serial numbers on the envelope and coupon match.

13. Assemble the coupon on the coupon holder as shown in Fig. 1.
14. Apply Teflon tape to the 1" threaded bushing threads on the coupon holder.
15. Insert and tighten the assembled coupon holder into the specific location shown on the monitoring station label.
16. Repeat steps 11-15 for the remaining coupon holders (see Figs. 2-6).
17. Reconnect the wiring from the fire panel to the pressure switch if

- it was removed. Notify the fire system administrator to enable the fire panel zone connected to the probe.
18. Verify that the isolation valves are in the open position and the corrosion monitoring station is free of any leaks.
19. Place the coupons in the bottom of the original shipping container. Place the water sample bottle in the top of the original shipping container. Insert the foam container into the pre-addressed sleeve and secure the tape. Ship the container next day air service to the address on the enclosed shipping label.

Fig. 1 Corrosion Coupon Assembly

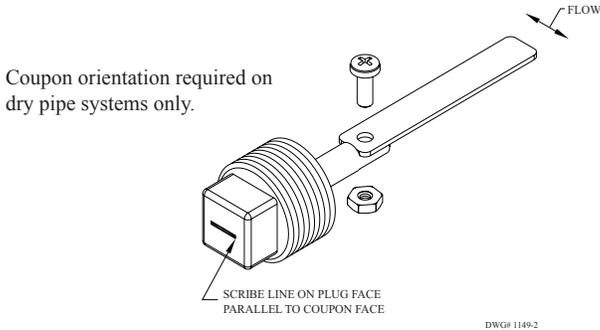
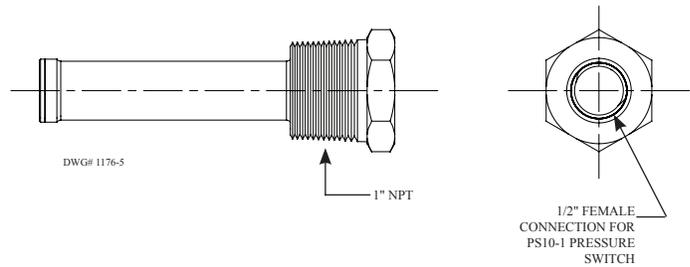


Fig. 2 Corrosion Monitoring Probe



Wet Pipe Systems with Riser Mount (RM) Version: Use CRTK-2

1. Turn the 1" coupon rack isolation valve to the closed position to isolate the coupon rack from the sprinkler system.
2. Verify that the 1/2" drain valve is in the closed position. Remove the 1/2" drain plug.
3. Relieve system pressure from the coupon rack by opening the drain valve slowly. **Do not drain the coupon rack completely at this time.** Use a container or bucket to catch the escaping water. **NOTE:** The water in the coupon rack will be pressurized to the system pressure. After the system pressure has been relieved, close the drain valve.
4. Fill the 120cc bottle by opening the drain valve slowly. Close the 1/2" drain valve.
5. **Securely affix** the cap to the bottle by making sure the cap screws on tightly. Tape cap to bottle.
6. Drain the remaining water from the coupon rack through the 1/2" drain valve into a container. Close the 1/2" drain valve. Re-install the 1/2" plug into drain valve.
7. Locate the plastic document holder attached to the monitoring station. Locate the completed coupon insertion confirmation sheet and original coupon envelopes.

DO NOT HANDLE COUPONS OR PROBES WITH BARE HANDS.

8. Notify the fire alarm administrator to disable the fire panel zone connected to the corrosion monitoring probe. Remove the pressure switch from the probe. If a union connection was used between the pressure switch and the probe, it will not be necessary to disconnect the wiring from the pressure switch. Remove the old probe and discard.
9. Remove the corrosion monitoring probe from the sealed packaging using the latex gloves provided and carefully remove the

protective cardboard sleeve. Apply Teflon tape to the 1" NPT male pipe threads and install the new probe in the same outlet the old probe was removed from. Install the pressure switch to the corrosion monitoring probe. Reconnect the wires from the fire panel to the pressure switch if they were previously removed.

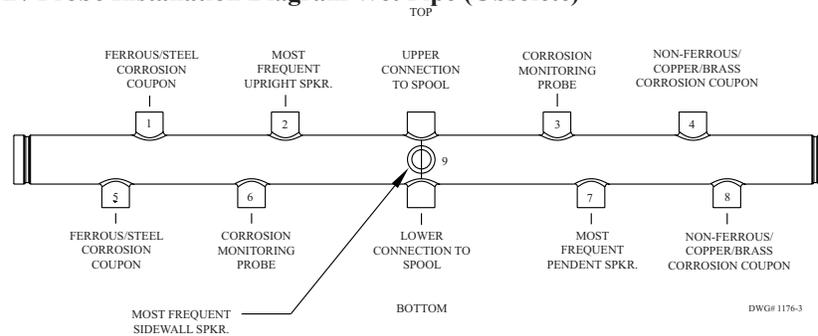
10. Remove a coupon holder from the monitoring station. Use a screwdriver to loosen the plastic screw and nut (see Fig. 1). Remove the coupon from the coupon holder and place the coupon in the corresponding original coupon envelope.
11. Notify the alarm administrator to disable the fire panel zone connected to the corrosion monitoring probe. Remove the pressure switch from the probe. If a union connection was used between the pressure switch and the probe, it is not necessary to disconnect the wiring from the pressure switch. Remove the old probe and discard.
12. Install the new probe in the same outlet the old probe was removed from. Install the pressure switch to the corrosion monitoring probe. Reconnect the wires from the fire panel to the pressure switch if they were previously removed.
13. Remove the new corresponding coupon from the new coupon envelope. Do NOT discard the envelope.
 - Ferrous/mild steel locations are for C1010 coupons.
 - Non-Ferrous/Brass locations are for CDA 360 coupons.
14. Confirm the serial numbers on the envelope and coupon match.
15. Assemble the coupon on the coupon holder as shown in Fig. 1.
16. Apply Teflon tape to the 1" threaded bushing threads on the coupon holder.
17. Insert and tighten the assembled coupon holder into the specific location shown on the monitoring station label.
18. Repeat steps 10-17 for the remaining coupon holders (see Figs. 2-6).

19. With the isolation and drain valves closed, open the air inlet valve and charge the PCMS-RM with air pressure to about ½ the system water pressure. Close the air isolation valve.
20. Open the system isolation valve and verify that the corrosion monitoring station is free of any leaks. Also verify that the water level in the corrosion monitoring station is at about the centerline. The water level can be adjusted by adjusting the air pressure in the monitoring station. More air pressure lowers the water level; less

air pressure raises the water level.

21. Notify the fire alarm administrator to enable the fire panel zone connected to the probe.
22. Place the coupons in the bottom of the original shipping container. Place the water sample bottle in the top of the original shipping container. Ship the container to the address on the enclosed shipping label.

Fig. 3 Corrosion Coupon / Probe Installation Diagram Wet Pipe (Obsolete)



Dry Pipe Systems: Use Model CPRTK-2

(With older-style in-line station, not Riser Mount (RM) style)

1. Notify the fire system administrator and close the system control valve. Shut down the supervisory air supply and relieve system air pressure through the inspectors test valve.

A water sample is not required for dry pipe systems.

2. Locate the plastic document holder (should be attached to the monitoring station). Locate the completed coupon insertion confirmation sheet and original coupon envelopes. Find the coupon envelope that corresponds with Outlet #2. (See Fig. 4)
3. Remove the coupon holder from Outlet #2. Use a screwdriver to loosen the plastic screw and nut. (See Fig. 1) Remove the coupon from the coupon holder and place the coupon into the corresponding original coupon envelope.

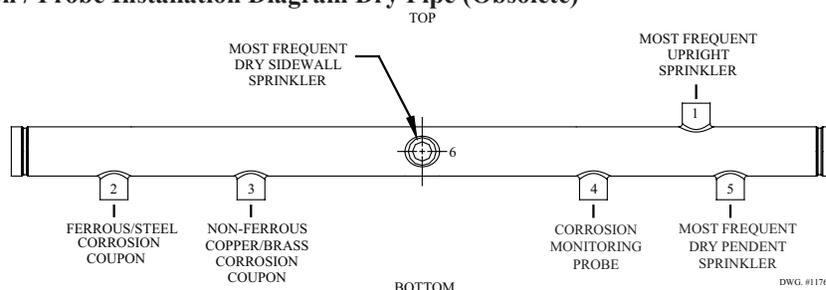
DO NOT HANDLE COUPONS WITH BARE HANDS.

4. Remove the pressure switch from the corrosion monitoring probe on outlet #4 (See Fig. 4). If a union was used between the pressure switch and the corrosion monitoring probe you will not have to disconnect the wiring to the pressure switch. Remove corrosion monitoring probe from outlet #4 and discard.
5. Remove the corrosion monitoring probe from the sealed packaging using the latex gloves provided. Carefully remove the protective cardboard sleeve. Apply Teflon tape to the 1” NPT male pipe threads and install the new probe in the same outlet the old probe was

removed from.

6. Remove the new corresponding coupon from the new coupon envelope. Do NOT discard the envelope.
 - Ferrous/mild steel locations are for C1010 coupons.
 - Non-Ferrous/Brass locations are for CDA 360 coupons.
7. Confirm the serial numbers on the envelope and coupon match.
8. Assemble the coupon on the coupon holder as shown in Fig. 1.
9. Apply Teflon tape to the 1” threaded bushing threads on the coupon holder.
10. Insert and tighten the assembled coupon holder into the specific location shown on the monitoring station label.
11. Repeat steps 3-10 for the remaining coupon holders (see Figs. 2-6).
12. Reconnect the wiring from the fire panel to the pressure switch if it was removed. Notify the fire system administrator to enable the fire panel zone connected to the probe.
13. Place the system back in service.
14. Verify that all valves are in the proper position and the corrosion monitoring station is free of any leaks.
15. Place the coupon in the bottom of the original shipping container. Ship the container to the address on the enclosed shipping label.

Fig. 4 Corrosion Coupon / Probe Installation Diagram Dry Pipe (Obsolete)



Dry Pipe Systems with Riser Mount (RM) version: Use CRTK-2

1. Turn the 1" coupon rack isolation valve to the closed position to isolate the coupon rack from the sprinkler system.
NOTE: A water sample is not required for testing coupons on dry pipe systems.
2. Locate the plastic document holder attached to the monitoring station. Locate the completed coupon insertion confirmation sheet and original coupon envelopes.
DO NOT HANDLE COUPONS OR PROBES WITH BARE HANDS.

CAUTION

The monitoring station is under pressure. Use extreme care when relieving pressure through the PCMS-RM drain or through carefully loosening a fitting on DPCMS-RM.

3. Notify the fire alarm administrator to disable the fire panel zone connected to the corrosion monitoring probe. Remove the pressure switch from the probe. If a union connection was used between the pressure switch and the probe, it will not be necessary to disconnect the wiring from the pressure switch. Remove the old probe and discard.
4. Remove the corrosion monitoring probe from the sealed packaging using the latex gloves provided and carefully remove the protective cardboard sleeve. Apply Teflon tape to the 1" NPT male pipe threads and install the new probe in the same outlet the old

probe was removed from. Install the pressure switch to the corrosion monitoring probe. Reconnect the wires from the fire panel to the pressure switch if they were previously removed.

5. Remove a coupon holder from the monitoring station. Use a screwdriver to loosen the plastic screw and nut (see Fig. 1). Remove the coupon from the coupon holder and place the coupon in the corresponding original coupon envelope.
6. Remove the new corresponding coupon from the new coupon envelope. Do NOT discard the envelope.
 - Ferrous/mild steel locations are for C1010 coupons.
 - Non-Ferrous/Brass locations are for CDA 360 coupons.
7. Confirm the serial numbers on the envelope and coupon match.
8. Assemble the coupon on the coupon holder as shown in Fig. 1.
9. Apply Teflon tape to the 1" threaded bushing threads on the coupon holder.
10. Insert and tighten the assembled coupon holder into the specific location shown on the monitoring station label (see Figs. 2-4).
11. Repeat steps 5-10 for the remaining coupon holders (see Figs. 2-4).
12. Open the system isolation valve and verify that the corrosion monitoring station is free of any leaks.
13. Notify the fire alarm administrator to enable the fire panel zone connected to the probe.
14. Place the coupons in the bottom of the original shipping container. Ship the container to the address on the enclosed shipping label.

Fig. 5 PCMS-RM

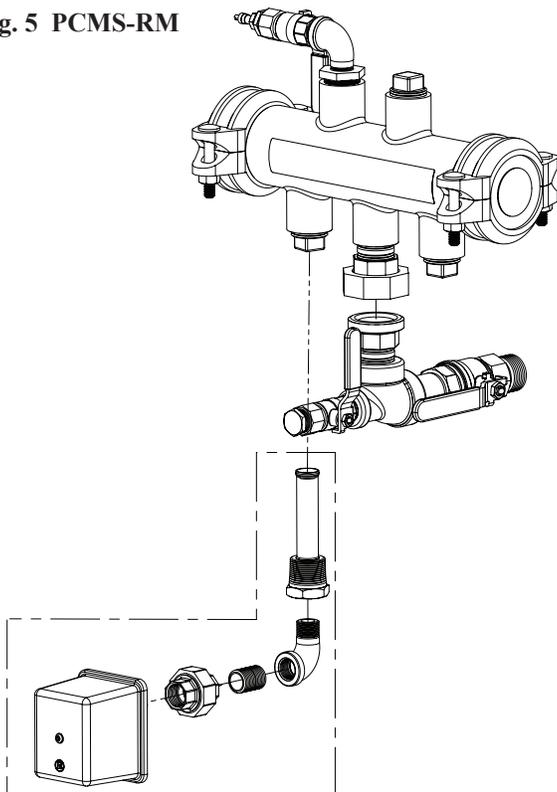


Fig. 6 DPCMS-RM (obsolete)

