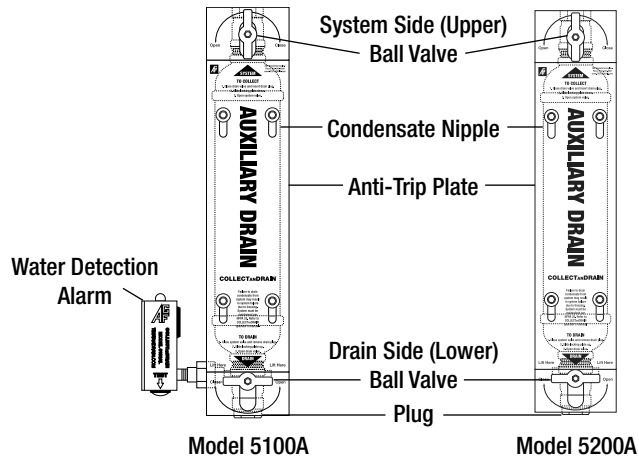


COLLECT_{AND}DRAIN

Model 5100A / 5200A

Anti-Trip Auxiliary Drain and Condensation Collection Assembly
for Dry Pipe and Preaction Fire Sprinkler Systems

Installation & Operation Instructions



Installation Instructions

To Install in an Existing System

For adding additional installations see NFPA 13 Chapters 24 and 26 and NFPA 25 Chapter 14.

1. Isolate branch line or zone where COLLECT_{AND}DRAIN is to be installed.
2. Relieve air pressure from branch line.
3. Remove existing auxiliary drain / condensation collection assembly.
4. Install assembled COLLECT_{AND}DRAIN by attaching the system side (upper) ball valve in accordance with NFPA 13 8.16.2.5 and 8.16.2.5.3 in regards to low point drains.
5. Return system back to normal operating conditions

To Install in a New System

1. Install assembled COLLECT_{AND}DRAIN by attaching the system side (upper) ball valve in accordance with NFPA 13 8.16.2.5 and 8.16.2.5.3 in regards to low point drains.
2. Return system back to normal operating conditions

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Battery Installation (Model 5100A Only): Remove back cover of M5100AL. Ensure dipswitch #1 and #2 are in "OFF" position. Install 9 volt battery. Position #1 dipswitch to "ON" position. Replace cover. Follow procedure when replacing battery.

Operation and Maintenance

WARNING: Failure to drain condensate from system may result in system failure due to freezing. System must be maintained per NFPA 25 4.6, 4.6A and 4.1.

To Collect Condensate per NFPA 25 A.12.4.3.3.3

This is the normal setting of the COLLECT_{AND}DRAIN assembly. The system side (upper) valve should be in the open position and the drain side (lower) valve should be in the closed position. The plug should be threaded into the outlet of the drain side valve. The anti-trip plate should be at its lowest position.

For Model 5100A Only: The presence of water in the condensate nipple will activate the blinking red light and beeping sound of the water detection alarm, signalling the need for maintenance. The assembly must be drained completely to silence the alarm.

To Drain Condensate per NFPA 25 A.12.4.3.3.3

1. Close the system side (upper) valve and remove drain plug.
2. Slide the anti-trip plate to its highest position.
3. Open the drain side (lower) valve and drain the accumulated water.
4. Once the water has been drained, close the drain side (lower) valve and slide the anti-trip plate to its lowest position.
6. Open the system side (upper) valve and allow time for additional water to accumulate.
7. Repeat the process until all of the accumulated water has been drained.
8. Once all water has been drained, return the COLLECT_{AND}DRAIN to the "COLLECT" position by closing the drain side (lower) valve, reinserting the plug, sliding the anti-trip plate to its lowest position and opening the system side (upper) valve.



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