

Installation

Before the Installation

Prepare sealing materials suitable for the FAVB Alarm Valve to be installed.

When the installation is completed thoroughly clean along the inner side of pipes. If possible, flush the pipe with water until it is completely rinsed out.

Alarm Valve Installation

Once again, clean inner side of valve body. Check the disk, disk seat and seat ring hole before the installation.

Install the alarm valve, pressure gauge, pressure switch and water motor alarm. In case of variable pressure system, install the retarding chamber.

For constant pressure system, install the water motor alarm directly without the retarding chamber.

Water motor alarm connect directly the water motor line of the retarding chamber tee line. Refer to the trim chart.

Tests and Maintenance

To test the operation of the alarm valve, open the inspectors test connection which should cause the mechanical and the electric alarm to sound.

This test connection is usually located on the end or top line of the system.

To test supply piping for unobstructed flow, open alarm test valve(10) figure 1.

When test is completed make sure to close drain valve(9) securely and close alarm test valve(10).

Alarm valves and associated equipment shall periodically be given a through inspection and test. NFPA 25 provides minimum inspection, testing and maintenance requirements. Alarm valves shall be tested, operated, cleaned, inspected and parts replaced as required, at least annually.

Setting/Resetting Procedure

Step 1.

Close the alarm test valve(10) and check the alarm Shut-off valve(11) is Opened.

Step 2.

Slowly open the OS&Y valve and close the main drain valve.

Step 3.

Observe the main drain valve for any leaks. If there is leak, determine and correct the cause of the leakage problem. If there is no leak, the Alarm Valve is ready to be placed in service condition.