The More You Know

March 20, 2024

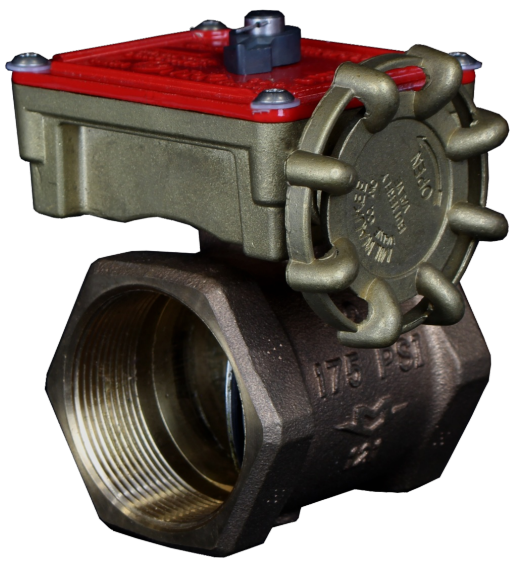
Wired To Protect The System.

Did You Know… Like almost every valve Milwaukee Valve makes, the purpose of the **BB-SCS02 Series Slo-Close Butterball® valve** is to shut off flow. But in the case of the **BB-SCS02**, it is designed to shut off the flow of water in a fire protection system.

The ***only time*** it should be closed is when servicing or testing the system. Otherwise, for obvious reasons, the valve must remain open. In case of fire, we don't want a sprinkler head to activate and have no water because the valve is closed.

The **BB-SCS02** is called a "supervisory valve" because the valve's switches will activate indicating any position other than Full Open; eliminating a scenario where someone tampers with it or closes it when not permitted to do so. Two key points to keep in mind; 1) Slo-Close valves eliminate potential water hammer in the system by utilizing their multi-turn handwheel operation and 2) per UL requirements, the switches must activate within 2 full turns of the handwheel from Full Open.

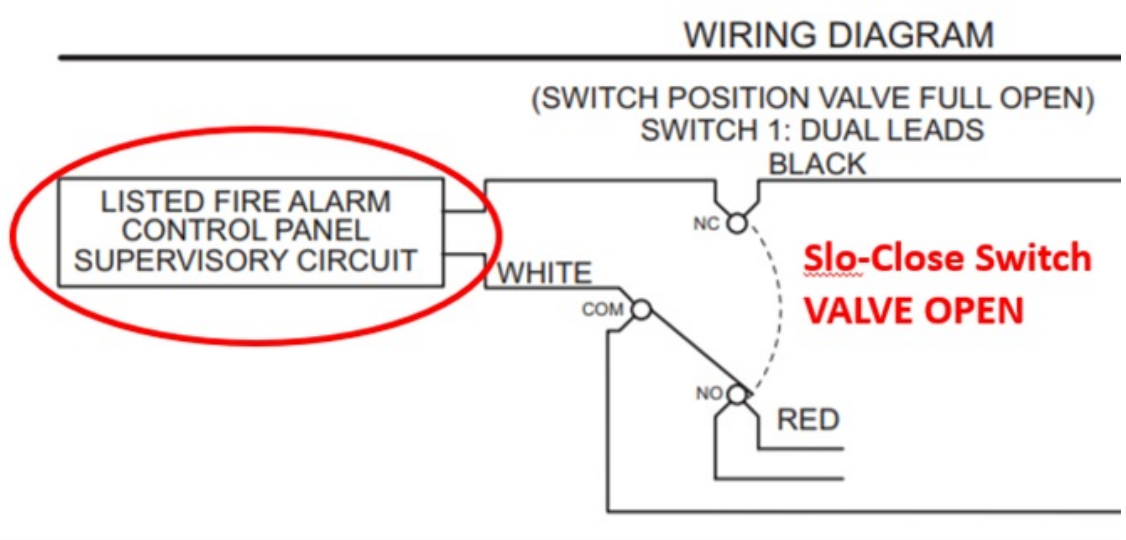
Following are two conditions showing the state of the supervisory switch when the valve is in the "Full-Open", and then what we'll call the "Non-Open" positions.



BB-SCS02 Series Slo-Close Butterball® Valve

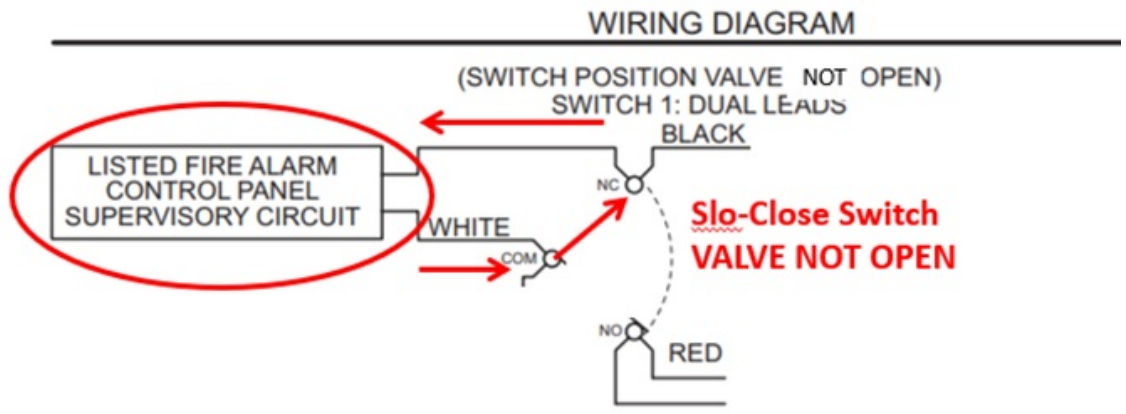
In either situation, the white and black wires on the switches are the important ones. They are wired directly to the control panel. The red wires are typically *unused* and a wire nut installed. The complete wiring diagram in our instructions shows the end-of-line resistor and additional wires. An explanation of their purpose and use can wait for another day.

VALVE OPEN CONDITION – No continuity between white and black wires = No signal to alarm panel.



VALVE "NON-OPEN" OR CLOSED CONDITION

–Continuity between white and black wires = Sets off the alarm in the supervisory control panel.



For more information on the **BB-SCS02 Series Slo-Close Butterball® valve**, visit **www.MilwaukeeValve.com** or contact your Milwaukee Valve customer service rep today. A complete listing, by territory, can be searched at our website, at **www.MilwaukeeValve.com/Find-Sales-Rep/**.

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