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Sprinkler Activation Detection Means Since 1925, Victaulic, located in Easton, PA, has been at the forefront of mechanical piping systems innovation, providing numerous patented piping related products that are in use today in multiple markets around the world.

Current fire protection sprinkler systems are as simple as a typical wet system or as complicated as a double-interlock Pre-action system. All of these systems detect sprinkler activation by either a pressure drop in the piping or water flow at the inlet to the system. None of these systems are capable of determining which sprinkler has activated. Great advantages in fire protection can be gained by knowing where and when a sprinkler has activated on a system. This information can then be used to activate more sprinklers and or activate the release of water flow. The resulting system may actually require less total water usage and reduce collateral water damage.

This IPD project will focus on this problem and develop means for detecting the activation and location of one or more sprinklers on a system by a means other than monitoring the internal pipe pressure or flow.