**Special Application Vane Type Waterflow Alarm Switches**

UL, cUL Listed and CE Marked waterflow alarm switches shall be furnished and installed at each sprinkler system branch line connection to the wet pipe main where indicated on the drawings, and as required by NFPA Standards.

Mounting shall be by means of a 1 inch TEE fitting installed in the branch line. Vanes shall be field installed on the switch from a selection supplied with the switch and fit pipe sizes 1 inch through 2 inches.

Waterflow switches shall be capable of operation in system pressures up to 250 PSI, maximum surges of up to 18 FPS and alarm activation at 10 GPM. Switch configuration shall consist of one single pole double throw (S.P.D.T.) Form C set of contacts rated at 15A, 125 VAC and 2.5A, 30 VDC. It shall be possible to field install an optional second set of switch contacts. Flowswitch enclosure shall meet NEMA 4 rating and shall be held captive by tamper resistant screws or supervised for removal by a cover tamper switch. Connection to piping shall be by means of 1” NPT or 1” BSPT threaded brass bushing.

Waterflow Alarm Vane Switch shall be Model VS-SP for NPT threads or VS-SPB for BSPT threads manufactured by Potter Electric Signal Company LLC.