**Waterflow Alarm Pressure Switch for use in Hazardous Locations**

UL, CUL Listed / FM, Atex Approved and CE Marked pressure type waterflow switches shall be furnished and installed on the alarm port of each dry pipe valve, on top of or downstream of each retard chamber on each alarm check valve, on the alarm port of each alarm check valve of each excess pressure system, the alarm port of each preaction system located in areas classified as hazardous and where indicated on the drawings and plans and as required by applicable local and national codes and standards.

Pressure type waterflow switches shall be diaphragm type devices consisting of a brass ½” NPT male nipple for connection to the sprinkler system, dual non-corrosive pressure chambers and diaphragms, independently adjustable pressure settings, one ½” threaded conduit entrance and two Single Pole Double Throw (SPDT) switches. The device shall be approved for use in hazardous locations classified as EEx d IIB T6, (Class I: Groups B, C, D, Div. 1 and 2, Class II: Groups E, F, G, Div. 1 and 2, Class III: Div. 1 and 2). The enclosure shall be IP66 (NEMA 4 and 9) rated. It shall be possible to install an optional cover tamper switch to detect removal of the enclosure.

Factory settings shall be 41 kPA / .41 BAR (6 PSI). The device shall be listed for pressures up to 1724 kPA/17.24 BAR (250 PSI). The adjustable range shall be 27-137 kPA / .27-1.37 BAR (4-20 PSI) and it shall be possible to change the factory set operating point of the pressure switch without the use of any tools. It shall be possible to change the pressure setting of either switch without affecting the pressure setting of the other switch. The switch contacts shall be rated at 15A, 125/250VAC and 2A, 30VDC.

Pressure Supervisory Switch shall be model PS10-EX manufactured by Potter Electric Signal Company LLC. All in line valves that can shut off the flow of water to the alarm pressure switch shall be electrically supervised for their fully open position.