**Pressure Drop Type Waterflow Switch**

UL, CUL Listed / FM, LPCB Approved and CE Marked pressure type waterflow switches shall be furnished and installed on each wet pipe sprinkler system utilizing an excess pressure pump as a means to signal an alarm system, 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 non-corrosive ½” NPT male nipple for connection to the sprinkler system, dual non-corrosive pressure chambers and diaphragms, independently adjustable pressure settings, two conduit entrances and two Single Pole Double Throw (SPDT) switches separated by a barrier providing separate wiring chambers for each switch to comply with the NEC requirements for separation of power limited and non power limited conductors without the need for special wire or wire methods. The device shall be NEMA 4 rated and the enclosure shall be held captive by a tamper resistant screw. It shall be possible to install an optional cover tamper switch to detect removal of the enclosure.

The switch shall be factory set to operate at 90 psi. The device shall be listed for pressures up to 300 psi. The adjustable range shall be 25-175 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 10.1A, 125VAC and 2A, 30VDC.

Pressure Drop Type Waterflow Switch shall be model PS100-2 manufactured by Potter Electric Signal Company LLC. All in-line shut off valves that can shut off the flow of water to the alarm pressure switch shall be electrically supervised in the full open position.