**Pressure Supervisory Switch for Dry Pipe and Preaction Systems**

UL, CUL Listed / FM, LPCB Approved and CE Marked pressure supervisory switches shall be furnished and installed at the system pressure connection of each dry pipe valve and preaction system and where indicated on the drawings and plans and as required by applicable local and national codes and standards.

Connection to the system shall be via a ½” bleeder valve installed between the pressure supervisory switch and the pressure source to permit testing. Pressure supervisory 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.

Factory settings shall be 30 psi for low pressure and 50 psi for high pressure. The device shall be listed for pressures up to 300 psi. The adjustable range shall be 10-60 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 Supervisory Switch shall be model PS40-2, bleeder valve shall be model BVL manufactured by Potter Electric Signal Company LLC.