Engineering Specification

Model B1 Accelerator

**Recommended CSI MasterFormat Specification Location: 21 13 16, Dry-Pipe Sprinkler Systems (formerly 13935)**

Accelerator shall be **[**cULus Listed**]** **[**FM Approved**]** for use with the specified dry pipe valve. Accelerator shall be capable of adjusting for small fluctuations in system air pressure without causing operation. A galvanized piping trim kit shall be provided to supply air pressure from the accelerator into the intermediate chamber of conventional dry pipe valves to hasten the trip operation. Accelerators for low pressure style dry pipe valves shall terminate to atmosphere. Minimum normal air pressure shall be 15 psi (1.0 bar) to ensure proper accelerator operation. The accelerator shall contain an integral anti-flooding assembly to prevent entry of water and debris into critical internal areas during operation. Accelerator body and dome to be of cast aluminum and epoxy coated inside and out. Diaphragm construction to consist of Dupont Fairprene BN 5049 with stainless steel filter assembly. Trim kit shall consist of all galvanized and brass parts, including isolating ball valve. The assembly shall have a working pressure rating of 175 psi (12.1 bar).

Accelerator shall be the Reliable Model B-1 Accelerator. Refer to Bulletin 322 for associated information.