

SPECIFICATIONS

8010 Series Programmable Actuator

The Programmable Actuator shall be a self-contained, waterproof, programmable solenoid which operates from a single 9V alkaline battery. Models 8012 and 8013 are complete systems on Nelson 7901 and 7916 (BSP) valves, respectively. Model 8010 includes a Nelson adapter for installation on any Nelson valve. For Hardie, Rain Bird and Toro Valves the 77422 (Hardie), 77423 (Toro) and 77424 (Rain Bird) adapters must be used.

Three dials on top of the solenoid shall allow easy programming of the unit. The Programmable Actuator shall allow the user to set the current time into the actuator's memory. Five programming choices shall provide watering up to twice daily. Watering shall begin on the hour and run from 1 minute to 5-1/2 hours in duration. The Programmable Actuator shall provide a manual timed operation and dedicated OFF function.

The Programmable Actuator shall use a low power latching solenoid. With a high quality alkaline battery, such as Energizer® (Energizer® is the registered Trademark of the Eveready Battery Company, Inc.), the Programmable Actuator shall have enough battery power to operate for one season. The actuator shall operate at pressures up to 150 PSI and at operating temperatures from 32° to 120° F.

The Programmable Actuator shall be constructed of three components: the actuator body, the battery compartment and the protective cover. The solenoid plunger and attached spring shall be constructed of stainless steel. When the battery cover is installed properly the programmable actuator shall be submersible to six feet of water. A micro processor chip shall be encapsulated into the solenoid with a waterproof resin.

The Programmable Actuator shall have a two year warranty. The actuator shall be manufactured by L.R. Nelson Corporation, Peoria, Illinois.