



## Rain Dial Series Controllers

### Bidding Specifications

Automatic Controller(s) shall be Rain Dial RD Series with stations (6, 9 or 12) in the indoor (INT) or outdoor (EXT) model as manufactured under the brand name of Irritrol Systems to be installed or wired in accordance with manufacturer's published instructions.

**Operation:** Controller shall have a 7-day calendar or "Skip Days" watering schedule to allow intervals from 1 to 15 days with 3 independent programs that can run concurrently. Programs shall have 3 start times, per program, for up to 9 daily start times. Watering times shall be from 1 to 59 minutes in 1-minute increments or 1 to 5.9 hours in .1-hour increments. Battery backup shall be provided to keep programs and current time. Controller shall have manual operation that starts a program cycle and runs a single station for an adjustable period of time. Controller shall have self-diagnostic electronic circuit breaker with valve-short detection that overrides an electrical malfunction. All programming shall be accomplished by use of a simple program dial and selection buttons with a large LCD for ease of programming. Controller shall have modular design/enclosed electronics.

**Construction:** Outdoor models shall be enclosed in a weather-resistant, locking case with built-in 24-volt transformer. Indoor models shall be enclosed in a durable, plastic case with 24-volt plug-in transformer. A pump start master valve circuit shall be standard.

**Electric:** Transformer input shall be 120 V ac, 60Hz (220/240 V ac, 50Hz). Maximum output per station shall be 24 V ac, 0.5 amp. Maximum total output to valves shall be 24 V ac, 1.0 amp (including master valve). Controller shall have a self-diagnostic electronic circuit breaker with valve "short" detection that overrides an electrical malfunction of a valve. Controller shall have an electrical surge protection system to resist damage from power surges and electrical storms.