

RAIN DIAL®-R SERIES

Automatic controller shall be Rain Dial-R series with 6, 9 or 12 station in the indoor (INT) or the outdoor (EXT) model as manufactured under the brand name Irritrol to be installed and wired in accordance to local/national electrical codes and manufacturer's published instructions.

Operation: Controller shall have automatic, semi-automatic and manual operational control. Controller shall have 365-day calendar capability to provide the option of odd or even date watering in addition to "week day" and "skip day" (day interval) watering. The controller shall have three (3) independent programs with the option of running them concurrently or disallowing overlap. Programs shall have three (3) start times each available per day for a total of nine (9) start times per day. Running time per station shall be adjustable across a range of 1 to 59 minutes (in 1-minute increments) and .1 to 5.9 hours in .1 hour (6-minute) increments. Controller shall have non-volatile memory for maintaining the user's program during a power outage and shall maintain time and date and provide "armchair" programming utilizing a 9-volt circuit for a battery. Controller shall provide a master valve/pump start circuit with the following control options: pump assignable per station and delay between stations with the option of the pump circuit on or off during the delay. Controller shall have a water budgeting feature that allows the running time of all stations on a program to be adjusted up or down (in 10% increments) at the same time. Controller shall have a self-diagnostic circuit breaker with station wire and valve short circuit protection that identifies and skips a station with an electrical "short" and continues to water operable stations. Controller shall have an "all-stations-test" program allowing a semi-automatic run of all stations in sequence for a settable amount of time and shall have a manual feature for advancing operation up through the stations. Controller shall be compatible with the Irritrol Climate Logic weather Sensing System and allow automatic watering adjustments based on the weather. Controller shall be compatible with normally closed, wired and wireless rain sensors of the same manufacturer and shall have a sensor bypass switch. Controller shall have a rain delay feature allowing a settable delay in operations from 1 to 9 days after which the watering schedules are automatically resumed. The controller shall have a modular (enclosed) interchangeable front panel design.

Construction: Outdoor models shall be enclosed in a weather-resistant, locking case with built-in transformer. Indoor models shall be enclosed in a durable, plastic case with a plug-in style, 24 V ac output transformer.

Electric: Transformer input shall be 120V ac, 60Hz (220/240V ac, 50Hz internationally). Maximum output per station shall be 24V ac, 0.5 amps. Maximum total output to the valves shall be 24V ac, 1.0 amp (including master valve). Controller shall have an electrical surge protection system to resist damage from power surges and electrical storms.