

SPECIFICATIONS

EZ Pro™ Jr. Controller Series

The irrigation controller shall be four (Model 8304 or 8374), six (Model 8306 or 8376), nine (Model 8309 or 8379) or 12 (Model 8312 or 8382) zones providing for completely automatic operation of the system. The wall-mount type controller case shall be weather resistant and have an internally mounted transformer. The case shall be made of impact-resistant, flame retardant, self-extinguishing plastic and have openings for standard conduit fittings. Specifically a 3/4" AC hole and a 1" hole for field wiring, in the bottom of the case. The front panel shall be mounted with 4 phillips head screws; one located underneath the large dial, one located in the battery compartment, and two located at the bottom beneath the terminal cover. The front panel shall have a removeable terminal cover for easy access to the battery holder and terminal strip. The battery holder shall be located above the terminal strip. The controller shall be capable of being programmed from battery power only (except manual operations). The controller shall have a lithium battery back-up storing programs without AC power for up to five years. The lithium battery back-up shall be activated by removing a plastic tab located behind and to the left of the Rain Sensor port on the terminal strip.

The controller shall have three independent programs designated "A", "B", and "C". Each program shall have up to three independent start times. Each program shall have an independently programmable watering schedule. Each program shall have an independently programmable watering schedule from 1 minute to 3 hours 59 minutes. There shall be four types of scheduling, Daily (7 water days), Odd/Even, Interval, and Event Day. Daily scheduling shall determine which days of the week to water. Odd/Even scheduling shall water only on odd or even days (i.e. an odd schedule will water on the 31st and 1st). Interval scheduling shall specify how many days between watering (from 1 to 30 days). Interval scheduling shall allow the start date for the schedule to be programmed up to 30 days out. Event Day scheduling shall block any day from watering.

The controller shall have a % Water Budget feature that allows modification on an entire program's run time from 5% to 200% in 1% increments. Any adjustments made over 110% will cause the controller to split the run times. The controller shall run through half of the run time for all zones in the program, then return and run the second half of the run time.

The controller shall provide manual operation for each zone, default 10 minutes, with the ability to select a new zone without having to wait for the running zone to time-out. The controller shall provide manual operation or cycle of an entire program.

The controller shall have a dedicated sensor port, located above the terminal strip. The controller shall allow override of the sensor via any manual operation and will allow irrigation even if the sensor has suspended watering.

All programming shall be made through the use of a large main dial, a small mode dial, a small program dial and 4 raised conductive rubber keys. The design of the controller shall be such that programming takes place through selecting the object to be programmed and adjusting that object to the desired setting (i.e. – select a zone and adjust its run time). An enter button shall not be needed when making programming changes. All program functions of the controller shall be displayed on a liquid crystal display. The controller shall provide a means of program review.

The controller shall be capable of operating up to two 24 VAC electric remote control valves per zone via the 20VA ETL/CETL listed transformer. The controller shall have a pump/master valve circuit. The controller shall be constructed so that two AA Energizer Alkaline batteries will retain real time, and all memory and programming will be stored in a non-volatile memory device. Non-volatile memory shall maintain the program in the event of a power outage and no battery backup. The controller shall incorporate a 1 amp automatically resetting poly-switch circuit protector.

The controller shall comply with Federal Communications Commission's requirements for a Class B computing device and be ETL, CETL and CE (export models) listed for outdoor use.

The controller shall carry a two year warranty. The controller shall be manufactured for L.R. Nelson Corporation, Peoria, IL.