

SPECIFICATIONS

EZ Pro™ Controller Series

The irrigation controller shall be four (Model 8604, 8604R or 8674), six (Model 8606, 8606R or 8676), eight (Model 8608, 8608R or 8678), twelve (Model 8612, 8612R or 8682), sixteen (Model 8616, 8616R or 8686), twenty (Model 8620, 8620R or 8690) or twenty-four (8624, 8624R or 8694) 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 $\frac{1}{2}$ " AC hole and a 1" with the option of a 1-1/4" or 2" knockout hole for field wiring shall be provided for in the bottom of the case. The front panel shall be hinged and removable to allow easy access to the terminal strip and battery. The battery compartment shall be located on the back of the front panel. The controller shall be capable of being programmed from battery power only. The controller shall be shipped with the 8602 Radio module installed or shall have the ability to have a 8602 radio module installed at a later date. The front panel shall snap into the case in the closed position. The transformer will be locked with two screws within the case to comply with agency requirements.

The controller shall have three independent programs designated "A", "B", and "C". Each program shall have up to four independent start times. Each program shall have an independently programmable watering schedule from 1 minute to 9 hours 59 minutes. There shall be three types of scheduling, daily (7 water days), odd/even, and interval. 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. The controller shall have a master valve/pump start function that will allow the pump start to be enabled or disabled by zone. The controller shall have a 1-99 programmable Rain Delay. The controller shall have two adjustable radio identification codes that will be used to connect the 8600 EZ Command Nelson remote.

The controller shall have a % Water Budget feature that allows modification on an entire program's run time or by month from 0% to 200% in 1% increments. Any adjustments made over 110% and over 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 provide for a 3 minute test/syringe cycle for each programmed zone. Zones not programmed will be skipped during the 3 minute test.

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 30VA 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 by L.R. Nelson Corporation, Peoria, IL.