

### SMARTLINE® CONTROLLER – SL4800

U.S. PATENT NO. 6,314,340

#### MODEL DESCRIPTIONS

<b>SL4800</b>	12-zone base model, expandable to 48 zones
<b>SLM12</b>	12-zone module for SL4800

#### FEATURES

- 12-zone base model, expandable to 48 zones using slide-in SLM12 12-zone hot-swappable modules (Indoor/Outdoor rated)
- Internal 120VAC/230VAC transformer with commercial terminal block and On/Off power switch with green/red LED power status indicator
- Large backlit LCD display
- 2 run modes: Standard mode runs user input zone run times; Auto Adjust mode requires SLW Series On-Site Weather Station to calculate weather based run times overridden by user input zone run times
- Rain/Freeze sensor bypass/active button located on face panel displays sensor status with tri-color LEDs (red indicates sensor is prohibiting irrigation; orange indicates a 48-hour extended rain delay after weather station rain sensor permits irrigation; green indicates normal operation)
- 4 programs: A, B, C; program D can operate concurrently
- 8 start times per program
- Nonvolatile memory retains programs in the event of power outage
- Zone run times settable from 1 min. to 9 hrs. 55 min. with operation countdown displayed in hours, minutes, and seconds (zone run times overridden by weather based calculated values in Auto Adjust mode)
- Watering day selections of custom days of the week, odd/even, or interval days (1 – 30 days)
- Omit settings: omit time of day window, omit day(s) of week, and omit up to 7 calendar dates
- Seasonal % adjust by program, by month for simple year round water budgeting (monthly percentages overridden in Auto Adjust mode)

#### ADVANCED FUNCTIONS

- Fault review displays all faults, including open and shorted zones
- Diagnostic test function using on-board multi-meter displays 9V battery and transformer voltage; milliamp measurement for each zone
- Built-in valve locator function for locating hidden valves by simply listening for the audible chatter of the solenoid created by a unique electrical frequency (patent pending)
- Review menu displays accumulated ET deficits by zone (in inches) and corresponding zone run times for the next available watering day
- Review menu displays temperature readings (daily high/low) for previous 5 days
- Review menu accumulates total run times by zone from the last reset date
- Review menu provides the ability to clear deficits for all zones
- Rain delay of 1 – 7 days may be selected (to pause and automatically resume operation)
- Run/Soak cycles allow setting of maximum run time and minimum soak time by program for use in Standard mode only
- Zone-to-zone delay programmable for 1 min. – 3 hrs. to accommodate slow closing valves and recharging of water supply
- Master valve timing sequence with zone valve programmable by "On Delay" (1 sec. – 1 min.; 2 sec. default) and "Off Delay" (1 sec. – 3 min.; 5 sec. default) to allow for line fill and slow-closing valves
- Master valve/pump start operation assignable On/Off by zone
- Clear program function to selectively delete an individual program



SLM12 MODULE

SL4800 CONTROLLER

**Coming  
in 2007**

#### AUTO ADJUST FEATURES

- ZIP Code input (5 digit) or Latitude input ( $\pm 60^\circ$  from EQUATOR) establish location of site for solar radiation calculation
- Sprinkler type input allows selection for zone sprinkler type (SPRAY, ROTOR, DRIP, BUBBLER) with preset precipitation rate or specific input of the zone precipitation rate (.2 – 3.0" per hour)
- Plant type input allows selection for zone plant type (COOL TURF, WARM TURF, SHRUBS, ANNUALS, TREES, NATIVE) with preset crop factors or specific input of the zone crop factor (10 – 300%)
- Soil type input allows selection for the soil type (CLAY, SAND, LOAM) and slope (0 – 25°) for the purpose of automatically calculating a run/soak period to virtually eliminate run off
- More/Less is settable by zone (-50% to +25%) for the purpose of fine tuning Auto Adjust run times to accommodate factors like shade, wind, and sprinkler inefficiencies

#### MANUAL OPERATION

- Manual test runs each zone with zone run times from 10 sec. up to 10 min.
- Manual zone operation of a single zone (1 min. to 9 hrs. 55 min.)
- Push button manual start of a program from control panel

#### OPTIONS

- SLM12 12-Zone Module
- SLW Series On-Site Weather Stations (see page 33)
- SLRC and Sidekick Remote Controls (see page 34)
- 955 Rain Sense rain sensor (see page 35)
- Pedestal (see page 35)

#### ELECTRICAL FOR SL4800

Input: 120VAC/60Hz @ 400mA for 5 valves

Output: 28VAC, 1.2A maximum

#### EXPORT

E-SL4800 (EU Plug) 230VAC/50Hz

E-SL4800A (Australia plug) 230VAC/50Hz

#### DIMENSIONS

15" W x 16 1/2" H x 5 7/16" D

38,1 cm x 41,9 cm x 13,8 cm

