

SMARTLINE® CONTROLLER – SL4800

U.S. Patent Numbers 6,314,340 and 7,406,363

MODEL DESCRIPTIONS

SL4800	12-zone base model, expandable to 48 zones
SLM12	12-zone module for SL4800

FEATURES

- 12-zone base model, expandable to 48 zones using SLM12 hot-swappable modules (Indoor/Outdoor rated)
- Internal transformer with commercial terminal block, On/Off power switch and LED 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
- Rain/Freeze sensor bypass/active button displays sensor status with tri-color LEDs (red indicates sensor is prohibiting irrigation; orange indicates an extended rain delay; green indicates normal operation)
- 4 programs: A, B, C; program D can operate concurrently
- 8 start times per program
- Nonvolatile memory and real time clock/calendar to retain programs and current date and time – no battery required
- Zone run times from 1 min. to 9 hrs. 55 min. with operation countdown displayed in hours, minutes, and seconds
- 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
- Monthly % adjust by program, for simple year round water budgeting

ADVANCED FUNCTIONS

- Fault review displays all faults, including open and shorted zones
- On-board multi-meter displays transformer voltage; milliamp measurement for each zone
- Built-in valve locator chatters the solenoids (U.S. Patent No. 7,406,363)
- Review menu displays ET deficits by zone, and corresponding zone run times
- Review menu displays maximum run time and minimum soak times
- Review menu displays temperature readings (daily high/low) for previous 5 days
- Review menu accumulates total run times by zone
- Programmable rain delay of 1 – 7 days
- SLW Weather Station extended rain delay programmable from 0 – 99 hours
- Run/Soak cycles allow setting of maximum run time and minimum soak time by program for use in Standard mode only
- Programmable zone-to-zone delay 1 min. – 3 hrs.
- Programmable master valve timing sequence with “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
- Clear all function to delete all programs
- Backtrack stored program feature allows contractor to easily store a default program and retrieve the saved program in the event a customer improperly reprograms the SL4800



SLM12 MODULE

SL4800 CONTROLLER

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 34-35)
- SLRC and Sidekick Remote Controls (see page 33)
- Rain Brain Universal Sensors (see page 35)
- Pedestal (see page 33)

DOWNLOAD TECH SPECS AT:
www.weathermatic.com

ELECTRICAL FOR SL4800

Input: 120VAC/60Hz @ 400mA for 5 valves
Output: 28VAC, 1.2A maximum
Fuse: 1.5A, slow blow

EXPORT

E-SL4800 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

