

SmartLine

The Smart Irrigation Controller



BY



Weathermatic
Water Conserving Innovation

With over 200,000 SmartLine Controllers saving vast amounts of water around the world, your next project will be added to the growing list. The SmartLine feature set exceeds that of most high-end controllers, yet was engineered to bring affordable ET -Based Water Management to any site you're designing.



1 TWO CONTROLLERS IN ONE

The "Basic" mode programs exactly like the conventional controllers used by most manufacturers. There's no need to learn a new method. The "Smart" mode is where the power lies. Combined with our SLW Series Weather Stations, SmartLine becomes an ET-Based water-saving controller that adjusts watering times 365 days a year.

2 SMART MODE

ET Watering adjusts the duration, frequency, and soak time by several factors. Weather Data combined with geographical location, sprinkler type, plant type, soil type, and a fine tuning option, enables your SmartLine controller to make precise watering decisions.

3 ACCESS YOUR SMARTLINE CONTROLLERS FROM VIRTUALLY ANYWHERE

The days of irrigation controllers being programmed once, and left alone for months, is over. The SmartLink Network gives you access to your SmartLine controllers via your Computer, Tablet, or Smartphone. Irrigation Management made simple, affordable, and packed with features.

4 BACKLIT LCD / REAL TIME CLOCK / CALENDAR & NON-VOLATILE PROGRAM MEMORY

No flashlight required in dark basements and garages. No battery required! On board memory chip retains time, date and program information even during a power outage.

5 OMIT TIMES / DAYS / DATES SEASONAL % ADJUST BY MONTH

Automatically comply with local water restrictions; eliminate irrigated water lost to evaporation in the heat of the day; stop irrigation on lawn maintenance days; never water on the date of an annual event (ex: July 4th). A monthly watering budget % can be set up by program to automatically adjust zone run times for seasonal changes.

6-10 ADVANCED MENU

The Advanced Menu contains 17 tools, ranging from diagnostics, troubleshooting, and advanced water management tools. Below only scratches the surface.

6 BUILT-IN VALVE LOCATOR

Locate hidden valves by simply listening for the audible chatter of the solenoid created by a unique electrical frequency. (U.S. Pat #7406363)

7 ON-BOARD MULTI-METER

Displays the electrical current reading of each zone for quick troubleshooting and a proactive approach to maintenance.

8 MASTER VALVE / PUMP SETTINGS

Achieve hydraulic control with settings for zone-to-zone delays, master valve timing, and master valve On/Off by zone.

9 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 controller. Perfect for Grow-in periods too.

10 RUNOFF ELIMINATOR

Eliminate run off by setting the maximum allowable run time and minimum soak time by program.

The SmartLine Series

STEP 1

Match the right SmartLine Controller for your next project.



SL4800 - 12 TO 48 ZONES



SL1600 - 4 TO 16 ZONES
SL1620 - 20 ZONE
SL1624 - 24 ZONE



SL800 - 4 TO 8 ZONES

STEP 2

Select the station modules needed to achieve your project's zone count.



SLM12 MODULE
12 ZONE
Use with: SL4800
base model = 12 zones



SLM4 MODULE
4 ZONE
Use with: SL1600
base model = 4 zones



SLM2 MODULE
2 ZONE
Use with: SL800
base model = 4 zones



Alternatively, convert the SL1600 Controller into a 2-Wire Decoder System with SmartWire.

SLM48DM - Decoder Module



SLDEC1 - 1 VALVE DECODER
SLDEC2 - 2 VALVE DECODER
SLDEC4 - 4 VALVE DECODER
SLGDT - Lightning Arrestor

STEP 3

Enhance your SmartLine Controller with irrigation management tools.



SLW5 Wireless Weather Station
Turns the SmartLine Controller into an ET-Based water management system.

SLW1 -Wired Weather Station Available



SLFSI-S / SLFSI-T
Flow Sensor
Adds complete flow sensing capabilities to the SmartLine controller when connected to the SmartLink Network.



SmartLink AirCard
Standard / with Flow
Connects your SL1600/4800 to the SmartLink Network.

Flow sensing is only available via the Smartlink Aircard.



The SmartLink Network
Access, and manage your SmartLine Controller with the truly affordable, web-based SmartLink Network.
learn more: smartlinknetwork.com

ENCLOSURES

Protect your SmartLine Controller with these options.



Economy Pedestal
SLPED-1600 for SL1600
SLPED-4800 for SL4800

Stainless Enclosure
SLPED-ENC
for SL1600 and SL4800



Wall Mount Enclosure
SLWMSS
for SL1600 and SL4800

SOLAR POWERED

Convert the SL1600 and SL4800 into a powerful Solar Powered controller and still keep using your 24vac control valves.

SLSOLAR24 - 24 Zone Solar System
SLSOLAR48 - 48 Zone Solar System



MODELS

SL800

4-Zone base model: Expandable to 8 zones

2-Zone hot-swappable modules (SLM2)

SL1600

4-Zone base model: Expandable to 16 zones

4-Zone hot-swappable modules (SLM4)

SL1620

20-Zone fixed station count

SL1624

24-Zone fixed station count

SL4800

12-Zone base model: Expandable to 48 zones

12-Zone hot-swappable modules (SLM12)

BASIC FEATURES

4 programs: A, B, C; program D can operate concurrently

8 start times: Per program

Indoor/Outdoor Rated

Zone run times settable from 1 min. to 9 hrs. 55 min.

Rain/Freeze sensing on/off button with Tri-Color LED indicator

Rain delay of 1 - 7 days

SLW1/SLW5 Weather Stations extended rain delay programmable from 0 - 99 hours

Seasonal % adjust by program, by month

Omit time of day window, day(s) of week, and up to 7 calendar dates

Programmable zone-to-zone delay 1 min. - 3 hrs.

Watering day selections: custom days of the week, odd/even, or interval days

Run/Soak cycles by program

Large backlit LCD display

Non-volatile memory - with no battery required

Internal 120VAC/230VAC transformer with pre-installed 6' line cord

2 Watering modes: Basic Mode and Smart Mode

Basic Mode: User controlled conventional programming

Smart Mode: Daily automatic station runtime adjustments

SMART WATERING FEATURES

ZIP Code input or Latitude input

Sprinkler type input

Plant type input

Soil type input

More/Less ET Tuning

Watering run times adjusted automatically

Review menu displays accumulated ET deficits by zone

Displays maximum run time and minimum soak time

Displays temperature readings (daily high/low) for previous 5 days

Accumulates total run times by zone from the last reset date

Clear deficits for all zones

Extended rain delay programmable from 0 - 99 hours

MANUAL OPERATION

Manual test runs each zone with zone run times from 10 sec. - 10 min.

Manual zone operation of a single zone from 1 min. to 9 hrs. 55 min.

Push button manual start of a program from control panel

ON-SITE DIAGNOSTIC/TROUBLESHOOTING FEATURES

Fault review displays all faults, including open and shorted zones

Test function using on-board multi-meter

Built-in valve locator

Backtrack Stored Program™ with Grow-in option

ADDITIONAL FEATURES

Zone-to-zone delay

Master valve timing sequence with zone valve programmable

Master valve/pump start operation assignable On/Off by zone

Clear program function

Clear All function

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SmartLine® Specification		Modules
Model	Description	Increase Station Count
SL800	4 - Station Base Model (Indoor)	SLM2 - 2 Station / up to 8 Zones
SL1600	4 - Station Base Model (Indoor/Outdoor)	SLM4 - 4 Station / up to 16 Zones
SL1620	20 - Fixed Stations (Indoor/Outdoor)	N/A
SL1624	24 - Fixed Stations (Indoor/Outdoor)	N/A
SL4800	12 - Station Base Model (Indoor/Outdoor)	SLM2 - 12 Station / up to 48 Zones

SmartLine® Enclosures Specification	
Model	Description
SLPED-1600	Economy Stainless Steel Pedestal for the SL1600/SL1620/SL1624
SLPED-4800	Economy Stainless Steel Pedestal for the SL4800
SLPED-ENC	Full Stainless Steel Pedestal Enclosure for SL1600/SL1620/SL1624/SL4800
SLWMSS	Wall Mount Stainless Steel Enclosure for SL1600/SL1620/SL1624/SL4800

Flow Sensor Specification	
Model	Description
SLFSI-T10	1" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-T15	1 1/2" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-T20	2" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-S30	3" Saddle Type Insert Flow Sensor - Used with the SmartLink Flow Aircard
SLFSI-S40	4" Saddle Type Insert Flow Sensor - Used with the SmartLink Flow Aircard

SmartWire® 2-Wire Specification	
Model	Description
SLM16DM	16 - Zone Decoder Module for the SL1600
SLM24DM	24 - Zone Decoder Module for the SL2400
SLM48DM	48 - Zone Decoder Module for the SL4800
SLDECI	1 -Valve Decoder
SLDEC2	2 -Valve Decoder
SLDEC4	4 -Valve Decoder
SLGDT	Lightning Arrestor
SLWIRE142-1000	2 - Conductor/14 - Gauge Wire (1000')
SLWIRE142-2500	2 - Conductor/14 - Gauge Wire (2500')
SLWIRE122-1000	2 - Conductor/12 - Gauge Wire (1000')

SmartLine™ Weather Stations Specification	
Model	Description
SLW1	Wired Weather Station for ET Based Watering * 35ft of cable provided
SLW5	Wireless Weather Station for ET Based Watering * 900mhz - 1500' LOS Range

The [SmartLink Network](#) connects the SmartLine controllers to an affordable, easy to use web-based irrigation management system.

Visit: smartlinknetwork.com to learn how to add this to your next project.

