SMARTLINE® CONTROLLER

SmartLine®
The Smart Irrigation Controller

SL800
Indoor Controller

DIMENSIONS

7" W x 7 ¾" H x 1 ¾" D
17.8 cm x 19.7 cm x 4.4 cm

ELECTRICAL
Input: 120 VAC/60Hz
Output: 24 VAC/750mA
Fuse: 1.0A slow blow

SL1600

DIMENSIONS

9 ⅛" W x 10 ½" H x 4" D
23.2 cm x 25.7 cm x 10.2 cm

ELECTRICAL
Input: 120 VAC/60Hz
Output: 24 VAC/1.6 Amps
Fuse: 1.0A slow blow

SmartLink® COMPATIBLE

SL4800

DIMENSIONS

15" W x 16 ½" H x 5 ⁷⁄₁₆" D
38.1 cm x 41.9 cm x 13.8 cm

ELECTRICAL
Input: 120 VAC/60Hz
Output: 24 VAC/2 Amps
Fuse: 1.5A slow blow

SmartLink® COMPATIBLE

SmartLine® Specifications

MODEL	DESCRIPTION (INDOOR/OUTDOOR)	INCREASE ZONE COUNT	INTERNATIONAL MODEL	
SL800	4-Zone Base Model (Indoor)	SLM2 - 2 Zone / up to 8 Zones	E-SL800	
SL1600	4-Zone Base Model	SLM4 - 4 Zone / up to 16 Zones SLM12-1600 - 12 Zone / up to 24 Zones	E-SL1600	230 VAC/50Hz
SL4800	12-Zone Base Model	SLM12-4800 - 12 Zone / up to 48 Zones	E-SL4800	

LIGHTNING WARRANTY INDUSTRY EXCLUSIVE

SmartLink® Bundles with 1 Year Service Plan (includes controller, all station modules, SLW5 weater station and SmartLink aircard)

MODEL	DESCRIPTION
SL1616-1YR-BDL-M1NA	SL1616 1 Year Bundle with 16 Zones for LTE CAT M₁ Cellular Network
SL1616-1YR-BDL-FLOW-M1NA	SL1616 1 Year Bundle with Flow with 16 Zones for LTE CAT M₁ Cellular Network
SL4824-1YR-BDL-M1NA	SL4824 1 Year Bundle with 24 Zones for LTE CAT M₁ Cellular Network
SL4824-1YR-BDL-FLOW-M1NA	SL4824 1 Year Bundle with Flow with 24 Zones for LTE CAT M₁ Cellular Network
SL4848-1YR-BDL-M1NA	SL4848 1 Year Bundle with 48 Zones for LTE CAT M₁ Cellular Network
SL4848-1YR-BDL-FLOW-M1NA	SL4848 1 Year Bundle with Flow with 48 Zones for LTE CAT M₁ Cellular Network

Nova Rocha
SISTEMAS E EQUIPAMENTOS DE REGA

SmartLine®
The Smart Irrigation Controller

FEATURES APPLY TO ALL CONTROLLERS:
SL800, SL1600, SL4800 AND SL9600TW

SmartLink® COMPATIBLE

BASIC FEATURES

- Upgradable to SmartLink® web-based access (SL1600/SL4800) See page 17
- 4 independent programs - each stacks or can operate simultaneously
- 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
- SLW5/SLW1 Weather Station 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 days: 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 transformer with pre-installed 6' line cord (SL1600, SL1620 only)
- 2 simultaneous watering modes: basic mode and smart mode. Each zone can run in either mode independent of other zones, even in the same program.
- Basic mode: user controlled conventional operation
- Smart mode: daily automatic programming adjustments
- 5 user-selectable languages
- Simultaneous solenoid operation: 3 solenoids (SL800/SL1600), 5 solenoids (SL4800)

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
- Review menu displays accumulated ET deficits by zone
- Display 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 (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™

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
- Grow-in program

- Two independently programmed master valves
- Normally open or normally closed master valve operation
- Real time milliamp display
- Flow sensor data review (requires SmartLink® Aircard)
- Real time flow display (requires SmartLink® Aircard)

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SISTEMAS E EQUIPAMENTOS DE REGA

SLW5
Wireless Weather Station

FEATURES

- Microprocessor records and processes weather data for use in establishing "Smart" auto adjust run times on any SmartLine® controller
- Rain shut-off settable from 1/8 – 1" (3 – 25 mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Rain events decrement current deficits in the SmartLine® controller
- Freeze shut-off activated at 37°F (3.0°C)
- Protective white solar shields allow normal air flow while protecting sensor from direct sunlight for accurate temperature readings and eliminating the need for regular cleaning and maintenance of the weather station
- Unit can be mounted in sunlight or shade and in close proximity to the roof-line

- Maximum wireless distance from controller to weather station is 1500' (457 m) line of site.
- SLHUB-RF-5 wireless hub included with SLW5
- On-board diagnostics indicate battery and communication status
- Remote battery strength measurement from the SmartLine® controller
- 10-Year battery life (AAA lithium)
- Adjustable arm metal bracket for gutter thumb-screw or wall mount
- Operates on 900MHz frequency for superior range and reliability

SLW5 Specifications

MODEL	DESCRIPTION
SLW5	Wireless Weather Station for ET Based Watering - 1500' Line of Site Range
SLHUB-RF-5	Wireless Receiver - Included with SLW5

SLW1
Wired Weather Station

FEATURES

- Microprocessor records and processes weather data for use in establishing "Smart" auto adjust run times on any SmartLine® controller
- Rain shut-off settable from 1/8 – 1" (3 – 25 mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Rain events decrement current deficits in the SmartLine® controller
- Freeze shut-off activated at 37°F (3.0°C)
- Protective white solar shields allow normal air flow while protecting sensor from direct sunlight for accurate temperature readings and eliminating the need for regular cleaning and maintenance of the weather station
- Unit can be mounted in sunlight or shade and in close proximity to the roof-line
- On-board diagnostics indicate battery and communication status
- Adjustable arm metal bracket for gutter thumb-screw or wall mount
- Wired directly to the SmartLine® controller via the 35 feet of included cable

SLW1 Specifications

MODEL	DESCRIPTION
SLW1	Wired Weather Station for ET Based Watering, 35ft of cable provided

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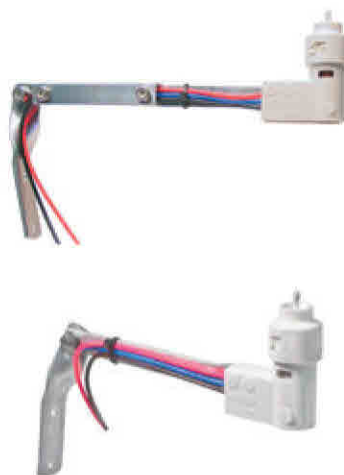SISTEMAS E EQUIPAMENTOS DE REGA

420GLS/420LS
Wired Rain/Freeze Sensors

FEATURES

- Rain shut-off settable from 1/8– 1" (3 – 25 mm)
- Tough UV-stabilized plastic housing
- Replaceable absorptive disks
- No-rust extruded aluminum bracket - mounts anywhere
- UL-listed watertight switch provides years of reliable service works with virtually all 24VAC controllers
- Each unit factory tested
- 35 feet of cable provided

420LS ADDS:

- Extra-long 7" aluminum bracket
- Factory-set freeze thermostat

Sensor Specifications

MODEL	DESCRIPTION
420GLS	Wired Rain Sensor (35' of cable)
420LS	Wired Rain/Freeze Sensor (35' of cable)

RAIN/FREEZE SENSOR COMPARISON

	420LS	420GLS	RFS1	RFS5
Controller Compatibility	All 24 volt controllers	All 24 volt controllers	ProLine SmartLine	ProLine SmartLine
Connectivity	Wired	Wired	Wired	Wireless
Rain/Freeze Sensing	Rain/Freeze	Rain	Rain/Freeze	Rain/Freeze
Battery	None	None	None	10-year Battery life