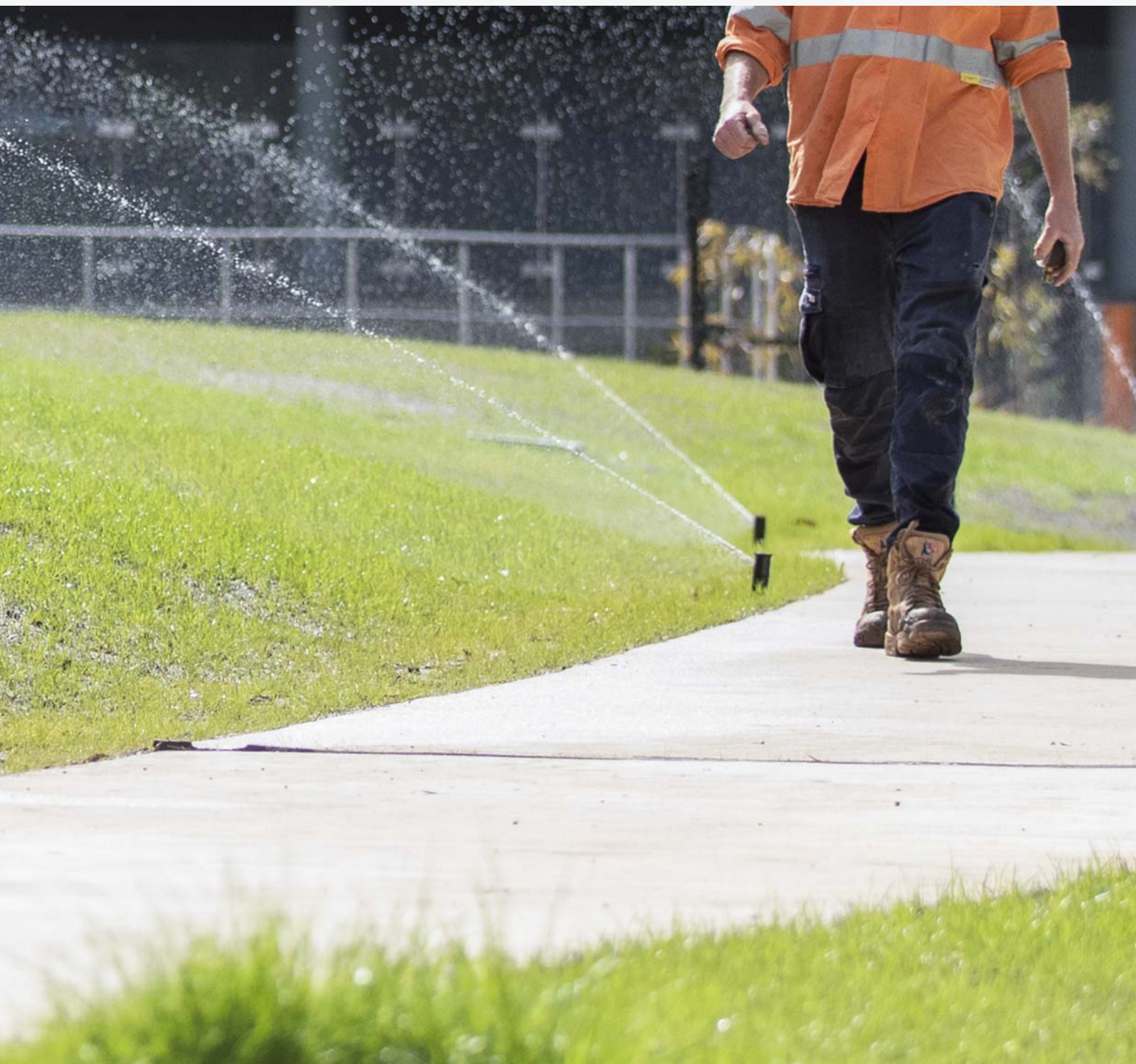


SMART IRRIGATION SOLUTIONS FOR THE PROFESSIONAL[®]

PRODUCT CATALOGUE





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**THE LATEST AND MOST POPULAR
FROM THE INDUSTRY LEADER IN
SMART WATER TECHNOLOGY.**





MIKE MASON - CEO WEATHERMATIC

Thank you for spending a few minutes with us. We think you will find our products among the most innovative in the industry. We are an inspired community of people focussed on creating innovations that help our customers save time, reduce costs and conserve water. Weathermatic has served landscape professionals for seventy years and is proud to offer a full line of controllers, weather stations, valves, rotors, sprays and nozzles. Our products have been installed in more than 70 countries on properties like the U.S. Capitol Building, Buckingham Palace and the College Football Hall of Fame.

We are the world's leading provider of Smart Irrigation Controllers with more than 250,000 controllers installed around the world. The Weathermatic SmartLine® control system is rated as a Consumer's Digest Best Buy and was a winner of the Irrigation Association New Product of the Year. This smart control platform is at the heart of our SmartLink® Network - the intelligent, affordable, web-based landscape irrigation solution that is allowing thousands of landscape and irrigation professionals to manage all their sites from any computer or mobile device and a simple internet connection.

At Weathermatic, we are committed to being good stewards of all our resources and sharing the savings with those in need. Weathermatic donates \$1 per month per SmartLink® connection to drill clean water wells in under-developed countries as part of our Save Water, Give Life campaign. To find out more and join us in this great cause, visit savewatergivelifelife.org.



ProLine® PL1600

The Professional Irrigation Controller



PL1600 - 4 ZONES

While other controllers stop at the standard features needed to run an irrigation system, ProLine® ignored the memo. It not only contains features built for the installers and end-users, but it also has features for the ones that maintain the systems. Conventional? We proudly say, “no”.

For the Price... Wow

Anyone new to the ProLine® can't believe all that's packed into this controller,

The Next Level

Sure some only set the time, date, run times, and days to water - but you don't. That's why we added many advanced programming features giving you more power.

Runoff Eliminator

Maximum allowable run time and minimum soak time are set by program.

No Battery Required

Your program is stored on the on board memory chip of the ProLine®. Even a program that can be restored when “somebody” messes it up.

Time to Grow

New landscaping needs a grow-in period. ProLine® can be set to temporarily do this, then return to it's normally scheduled programming.

Intelligent Switch

Time for a Masters Degree? Just swap the ProLine® panel with the SmartLine panel.

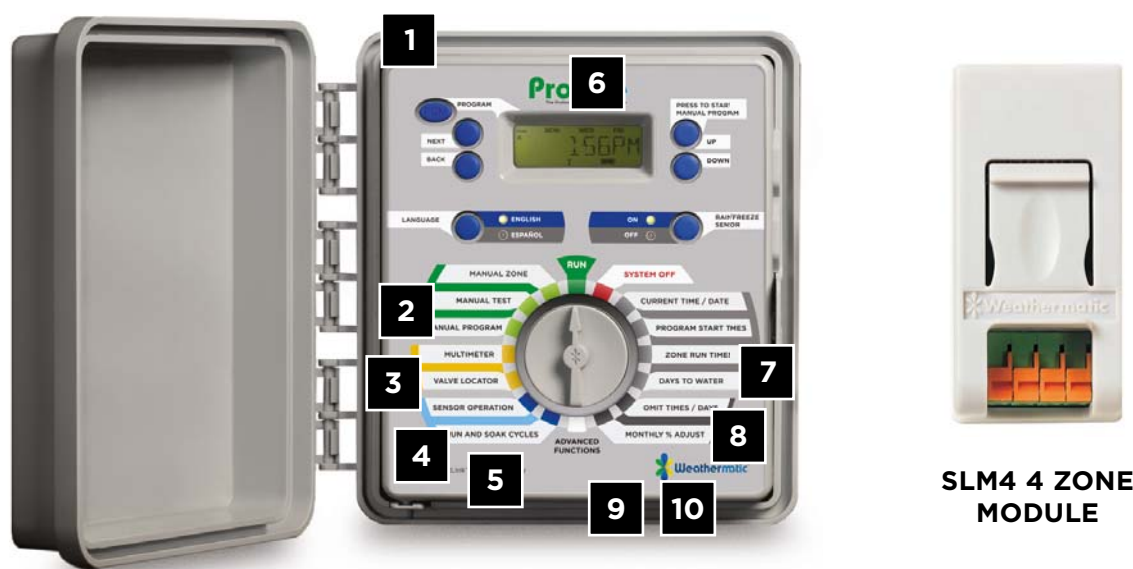


Connects to the SmartLink® Network for complete web-based control.



Service tools like: built-in multi-meter, valve locator, program backtrack, and other useful options.

ProLine was not born on an engineer's computer screen, rather crafted by years of contractor input. If it was on their wish list, it was added to ProLine.



**SLM4 4 ZONE
MODULE**

1 EXPANDABLE ZONES - MODULAR PANEL

With the PL1600 controller, you can easily control an additional 4 zones by installing a SLM4 Module – expandable up to 16 zones. That way, you don't need to invest in a new controller to match the changing needs of the job!

2 MANUAL TEST SETTINGS IN SECONDS

Complete a walk-through in a fraction of the normal time by running a manual test from 10 sec. – 10 min. in 10 sec. increments.

3 ON-BOARD MULTI-METER

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

4 PATENTED VALVE LOCATOR

Locate hidden valves by simply listening for the audible chatter of the solenoid created by a unique electrical frequency. (US Patent No. 7,406,363)

5 RUNOFF ELIMINATOR

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

6 NON-VOLATILE PROGRAM MEMORY WITH DAYLIGHT SAVINGS TIME

No battery required! On board memory chip retains time, date, and program information even during a power outage. Plus, daylight savings time is selectable (On/Off) and programmable! A backlit LCD gives clear visibility even in dark garages and basements.

7 OMIT TIMES / DAYS / DATES

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: January 26th).

8 MONTHLY % ADJUST

A monthly watering budget % can be set up by program to automatically adjust zone run times for seasonal changes.

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 PL1600 or needs to return from a temporary to a normal program.

10 GROW-IN PROGRAM

Allows contractor to enter a grow-in program for a temporary watering need (0-99 days) and then automatically return to normal operation.

PROLINE CONTROLLER – PL1600 SERIES

MODEL DESCRIPTIONS		
PL1600	4-zone base model, expandable to 16 zones	1522619
SLM4	4-zone module for PL1600	1522541

FEATURES

- PL1600 - 4 zone base model expandable to 16 zones
- SmartLink® Aircard compatible
- Internal 230VAC transformer with plug and play pre-installed 1.8m line cord (removable for conduit-wired installations)
- Large backlit LCD display
- Rain/Freeze sensor bypass/active button located on face panel displays sensor status with tri-colour LEDs (red indicates sensor is prohibiting irrigation; orange indicates an 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 and real time clock/calendar circuit to retain programs as well as correct date and time – with no battery required
- Zone run times settable 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
- Omit settings: omit time of day window, omit day(s) of week, and omit up to 15 calendar dates
- Seasonal % adjust by program, by month for simple year round water budgeting

ADVANCED FUNCTIONS

- Fault review displays all faults, including open and shorted zones
- Diagnostic test function using on-board multi-meter displays 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 (U.S. Patent No. 7.406.363)
- 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
- 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
- Backtrack Stored Program™ feature allows contractor to easily store a default program and retrieve the saved program
- Selectable Number of Start Times.
- Grow-in Program
- Rain Sensor Selectable by Zone
- Automatic Daylight Saving Time Adjustment

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

OPTIONS

- RFS5 Wireless Rain/Freeze Sensor
- 420-GLS Adjustable Rain Sensor

ELECTRICAL FOR PL1600 SERIES

Input: 230VAC/50Hz

Output: 24VAC, @ 750mA for 3 valves
1.0A maximum

Fuse: 1.0A, slow blow

DIMENSIONS

23.2 cm x 25.7 cm x 10.2 cm



SmartLine®
The Smart Irrigation Controller

SL1600 G5 & SL4800



SL1600 G5 - 4 TO 16 ZONES



**SL4800 /
12 TO 48 ZONES**

A Smarter Way to Save Water

Most conventional timer-based systems water on a fixed weekly schedule and do not adjust to changing environmental conditions. This can result in over-watering of 30% - 50%. What's more, over-watering injures plants and creates runoff that can damage paths and driveways.

Weathermatic's **SmartLine® System**, *is the world's leading weather-based controller*. With a feature set that exceeds most high-end controllers, the unit brings affordable ET based water management to any site - saving precious water resources and maintaining landscapes in peak condition.

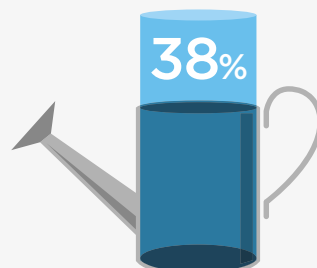
- Installed at more than 250,000 properties, water savings averaging 38%
- Weather-based watering option that auto-adjusts based on geographical location, temperature, and precipitation
- Accounts for seasons, soil, plant and sprinkler type to optimize water efficiency resulting in beautiful landscapes
- Eliminates run-off by providing maximum run-times and soak-times
- Complies with local water restrictions by enabling you to omit days

It turns out that as much as 50% of water use is for the landscape



Using conventional timer-based irrigation systems that turn on regardless of conditions.

The average homeowner overwaters by



ET Explained

Evapotranspiration (ET) is the rate at which plants lose moisture due to evaporation and transpiration. There is a predictable amount of replacement moisture that needs to be applied when rainfall is deficient. Weathermatic's SmartLine's ET-based controllers account for plant moisture loss and match irrigation schedules to the landscapes requirement.

INSTALL A WEATHER STATION TO ACTIVATE THE SMART FEATURES OF THE SMARTLINE CONTROLLER.

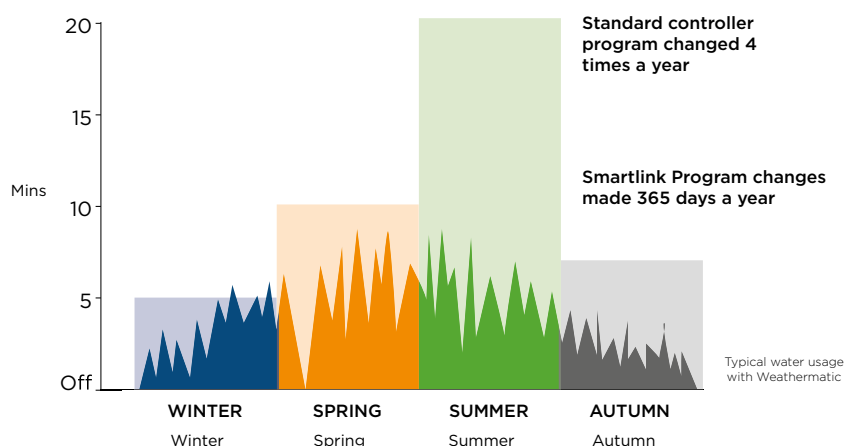
Seasons, weather patterns, soil conditions and plant types dictate the amount of water required for landscaping - the SmartLine® System in combination with the SLW weather station takes all this into account, monitoring conditions to auto-adjust the controller run time.



HOW THE SMARTLINE CONTROLLER WORKS WITH THE WEATHER STATION

Taking weather data every 8 seconds, the SmartLine® weather station automatically adjusts duration, frequency and soak time, enabling precise water adjustments and an optimum watering schedule. This can reduce water usage by 30 - 50% while maximising plant health and eliminating runoff. Now that's smart.

Smart technology waters for actual plant need



SMART MODE FUNCTIONS

MORE/LESS

Allows you to fine tune Auto Adjust run times by zone

SOIL TYPE

Add your soil type - clay, loam or sand
- to maximize watering efficiency

PLANT TYPE

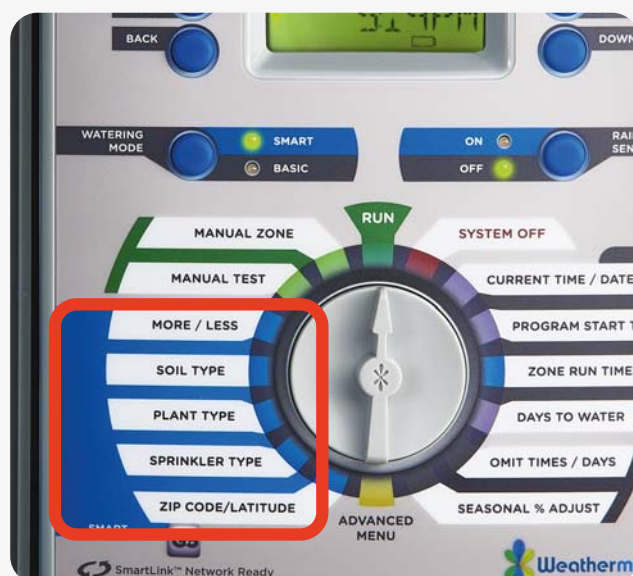
ET rates vary by plant type. The ET based SmartLine® controller account for plant moisture loss based on regional requirements

SPRINKLER TYPE

Add your sprinkler type (spray, drip, rotor) to get the perfect output rate

ZIP CODE/LATITUDE

ET rates vary by region. ET and climate impact the amount of irrigation required



SmartLine®

The Smart Irrigation Controller

Automated, on-site water management provided by the industry's leading controller technology...now within reach of everyone.



With over 250,000 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 make ET-Based Water Management affordable for any sized project.



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.

7 - 11 ADVANCED MENU

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

7 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)

8 ON-BOARD MULTI-METER

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

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: January 26th). A monthly watering budget % can be set up by program to automatically adjust zone run times for seasonal changes.

6 FUNCTIONALITY

The G5 face panel allows all programs to be opened and run simultaneously, which is great for agricultural or larger commercial properties where there is a requirement to correctly apply water within a minimum time frame.

9 MASTER VALVE / PUMP SETTINGS

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

The SmartLine® controller also includes two master valves which can be individually assigned to zones and are great for dual water supplies or pressurised mainlines for horticultural applications.

10 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.

11 RUNOFF ELIMINATOR

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

SMARTLINE CONTROLLER – SL1600 G5

MODEL DESCRIPTIONS		
SL1600 G5	• 4-zone base model, expandable to 16 zones	1522620
SLM4	• 4-zone module for SL1600	1522541

FEATURES

- SL1600 G5 - 4 zone base model, expandable to 16 zones
- SmartLink® Aircard compatible
- Internal 230VAC transformer with plug and play pre-installed 1.8m line cord (removable for conduit-wired installations)
- 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 that override user input zone run times
- Rain/Freeze sensor bypass/active button located on face panel displays sensor status with tri-colour LEDs (red indicates sensor is prohibiting irrigation; orange indicates an extended rain delay after weather station rain sensor permits irrigation; green indicates normal operation)
- 4 programs: A, B, C, D can all operate concurrently
- 8 start times per program
- Nonvolatile memory and real time clock/calendar circuit to retain programs as well as correct date and time – with no battery required
- 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
- Omit settings: omit time of day window, omit day(s) of week, and omit up to 15 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 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 (U.S. Patent No. 7.406.363)
- Review menu displays accumulated ET deficits by zone (in centimetres) and corresponding zone run times for the next available watering day
- Review menu displays maximum run time and minimum soak time used during Auto Adjust mode
- 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)
- 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
- 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
- Backtrack Stored Program™ feature allows contractor to easily store a default program and retrieve the saved program
- Selectable Number of Start Times.
- Grow-in Program
- Rain Sensor Selectable by Zone
- Selectable Minimum Deficit
- Automatic Daylight Saving Time Adjustment
- Advanced Functions now shows Battery voltage for SLW weather stations when installed.

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 (5 – 75mm 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)
- More/Less is settable by zone (-50% to +25%) for the purpose of fine tuning Auto Adjust run times

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

OPTIONS

- SLM4 4-Zone Module
- SLW Series On-Site Weather Stations

ELECTRICAL FOR SL1600 SERIES

Input: 230VAC/50Hz

Output: 24VAC, @ 750mA for 3 valves 1.0A maximum

Fuse: 1.0A, slow blow

DIMENSIONS

23.2 cm x 25.7 cm x 10.2 cm

WAY BEFORE “SMART” BECAME THE INDUSTRY BUZZWORD, SMARTLINE WAS CHANGING THE WAY SMART PEOPLE WERE CONTROLLING THEIR IRRIGATION SYSTEMS.

SMARTLINE CONTROLLER – SL4800

MODEL DESCRIPTIONS		
SL4800	• 12-zone base model, expandable to 48 zones	1522542
SLM12-4800	• 12-zone module for SL4800	1522543

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-colour 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 15 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
- Backtrack stored program feature allows contractor to easily store a default program and retrieve the saved program
- Selectable Number of Start Times
- Grow-in Program
- Rain Sensor Selectable by Zone
- Mode Selection by Zone
- Selectable Minimum Deficit
- Automatic Daylight Saving Time Adjustment
- Weather Station sensor selectable by Zone
- Increased Rain Delay Setting Options.
- Advanced Functions now shows Battery voltage for SLW weather stations when installed.

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 (5-75mm 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)
- More/Less is settable by zone (-50% to +25%) for the purpose of fine tuning Auto Adjust run times

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

ELECTRICAL FOR SL4800

Input: 230VAC/50Hz

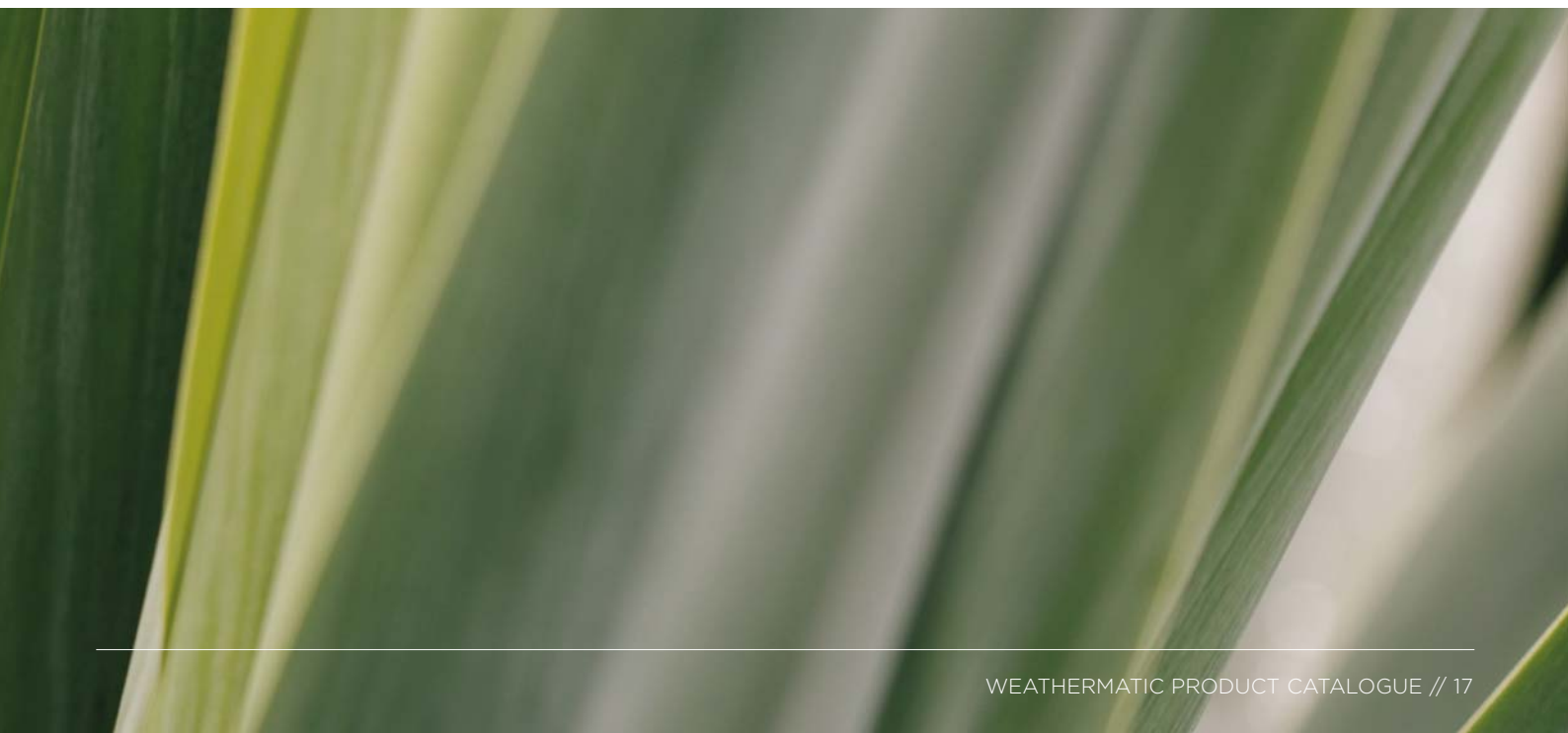
Output: 24VAC, @ 1250mA for 5 valves 1.6A maximum

Primary fuse: 1.0 A slow blow

Secondary fuse: 1.5 A slow blow

DIMENSIONS

38.1 cm x 41.9 cm x 13.8 cm





SmartWire™ is the industry's first control system to truly be a Smart controller and a 2-wire controller. The advantages of a SmartWire™ system include cost savings from reduction in copper wire usage and corresponding trenching and simplicity of wiring and troubleshooting. Weathermatic SmartWire™ 2-Wire allows for connection of up to 3 separate 2-wire paths to simplify installation on larger projects. SmartWire™ is a member of the SmartLine® family of water management products offering automated, on-site water management.

SMARTLINE CONTROLLER – SL9600TW

MODEL DESCRIPTIONS		
SL9600TW	• 96-zone fixed model	1522574

FEATURES

- 96-zone fixed model using 2-wire decoder system
- 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-colour 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 15 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
- Backtrack stored program feature allows contractor to easily store a default program and retrieve the saved program
- Selectable Number of Start Times
- Grow-in Program
- Rain Sensor Selectable by Zone
- Mode Selection by Zone
- Selectable Minimum Deficit
- Automatic Daylight Saving Time Adjustment
- Weather Station sensor selectable by Zone
- Increased Rain Delay Setting Options.
- Advanced Functions now shows Battery voltage for SLW weather stations when installed.



SL9600TW - 96-ZONE FIXED MODEL

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 (5-75mm 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)
- More/Less is settable by zone (-50% to +25%) for the purpose of fine tuning Auto Adjust run times

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

DECODER MODULE FEATURES

- Compatible with SmartLink®
- Connections for up to 3 different 2-Wire paths for maximum installation flexibility
- LED display and status lights for programming, operation status, and troubleshooting with error codes
- Programs and operates SmartWire™ SLDEC Series decoders

ELECTRICAL FOR SL9600TW

Input: 120VAC/50Hz

Output: 24VAC

Fuse: 1.5A slow blow

DIMENSIONS

38.1 cm x 41.9 cm x 13.8 cm

SmartWire

2-Wire Decoder System

SMARTWIRE SLDEC - VALVE DECODERS

FEATURES

- Decodes signals from Decoder Module to open and close valves
- Input voltage 24 - 28VAC from 2-wire path
- Shock resistant
- Surge protection
- Fully programmable for valve addresses using Decoder Module
- Freeze/heat resistant (-20° to 60°C)
- 14 gauge PVC-coated connecting wires
- Sealed electrical components for protection from water and dirt
- Operates valves to a maximum of 30m from decoder
- Diagnoses and reports failed solenoids to the Decoder Module
- Auto shutdown if communication with Decoder Module is lost

OPTIONS

- SLDEC1 for 1-valve operation - 1522545
- SLDEC2 for 2-valve operation - 1522546
- SLDEC4 for 4-valve operation - 1522557



**SLDEC VALVE
DECODER**

SMARTWIRE SLGDT - LIGHTNING ARRESTOR FOR 2-WIRE SYSTEMS

- Provides maximum lightning protection for 2-wire paths. Recommended for use on all SmartWire™ systems
- 1522547



SMARTWIRE SLWIRE

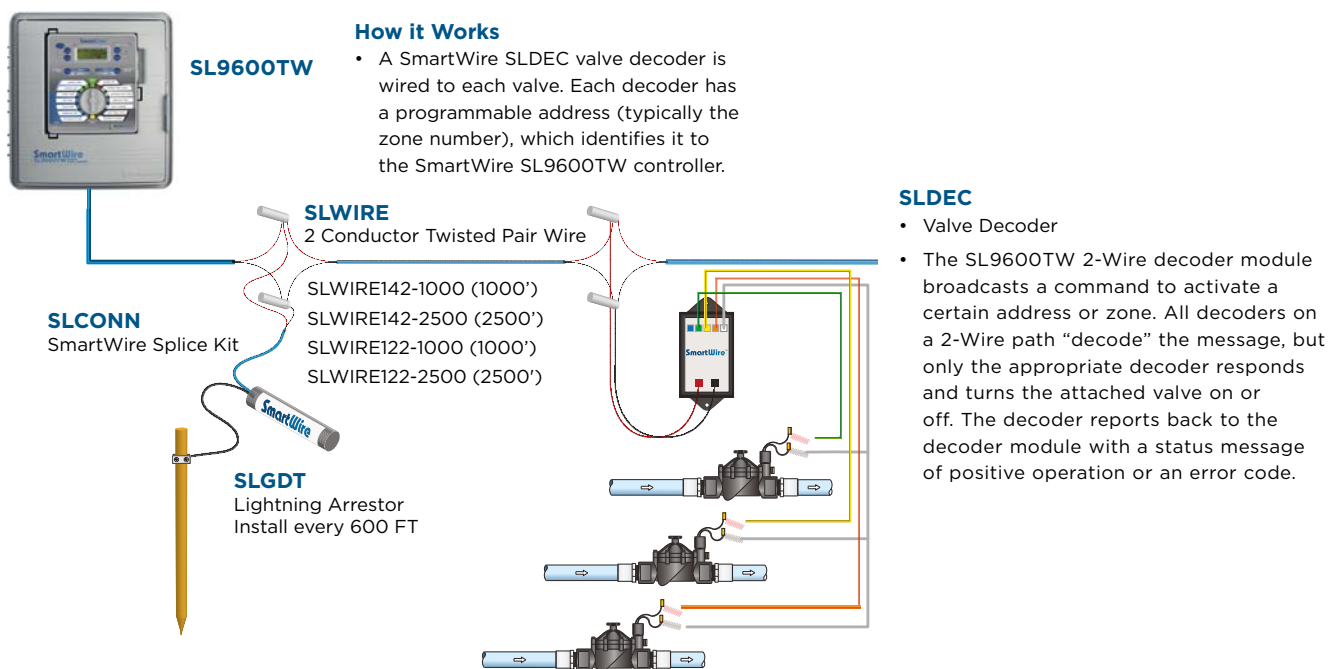
- 2-conductor, jacketed, UL/UF approved for direct burial
- Sunlight resistant
- SLWIRE142-1000 14 gauge, 300m - 1522548
- SLWIRE142-2500 14 gauge, 760m - 1522549





HOW IT WORKS

A SmartWire™ SLDEC valve decoder is wired to each valve. Each decoder has a programmable address (typically the zone number), which identifies it to the SmartWire™ SLM48DM 2-Wire decoder module installed in a SmartLine® SL1600 controller.



The normal 1-year SmartWire™ warranty is extended to 3 years including full lightning coverage on systems using SLWIRE and SLGDT lightning arrestors with proper grounding. All warranties are void on systems not using SLGDT lightning arrestors with proper grounding.



SmartLink™

Wireless Landscape Network

Affordable, web-based irrigation management



Computer



Smartphone



Tablet

The innovative SmartLink range offers SIM card connection to your controller utilising the 3G network for superior reliability compared to WiFi. Whether you simply want to be able to turn your controller on and off remotely or have full irrigation management capabilities, there's a SmartLink Aircard to suit your needs. And it's easy! Plug-in the SmartLink™ Aircard for your Weathermatic SmartLine® or ProLine® controller and log-in to the network. For cents a day you will be the "Commander-in-Chief" of your irrigation systems.

IT'S ALL THERE

If it's an option on your controller, it's an option on SmartLink™.

THE CLOUD IS YOUR FRIEND

No matter what happens to the controller, your custom program is stored in the cloud.

AUTOMATIC UPDATES!

We're pushing new features to your SmartLink™ on a regular basis.

REPORTING FOR DUTY

There's no mystery to what's occurring at your site. Web-Based reporting provides historical flow and weather data.

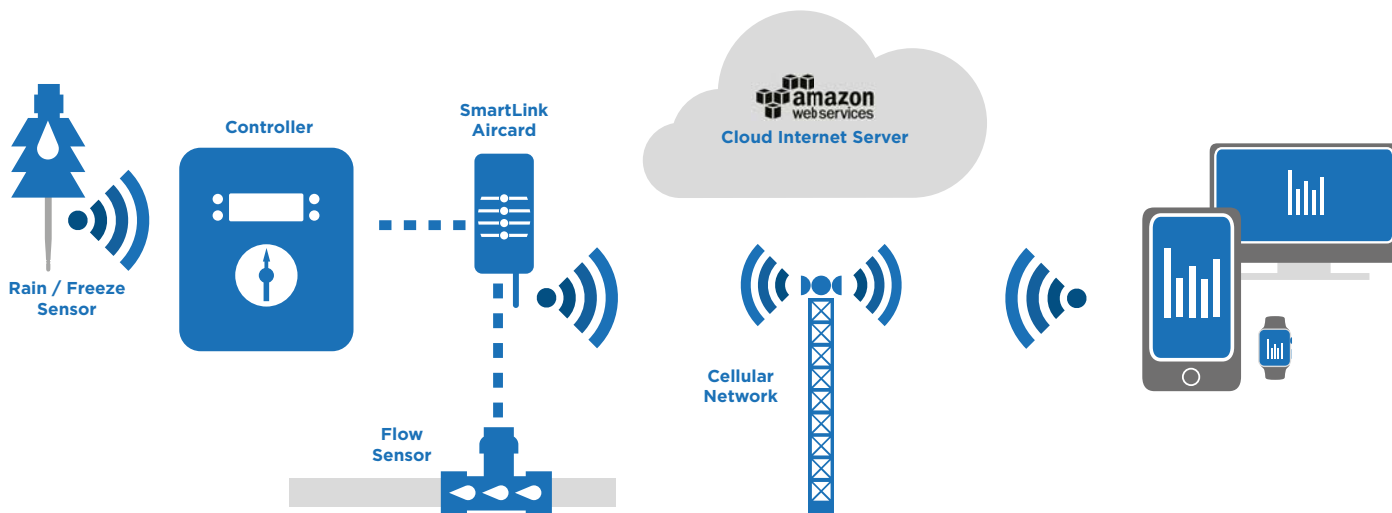
UNLIMITED SITES

Manage multiple controllers from any location, and globally make changes.

LABOUR SAVER

SmartLink™ can eliminate the need to send someone physically to a property when system diagnostics or programming is required. **No petrol required.**

HOW IT WORKS



SMARTLINK MOBILE APPLICATION



One popular feature of SmartLink™ is the ability to use it as a remote control. We've developed an App for both Apple IOS and Android phones that's main purpose is remote valve activation.

Other features include:

- Valve Locator
- Multiple Site/Controller Access
- Map Integration
- and more...



Smart just became Genius. Your Link to irrigation management lives.

SmartLink™ with Flow

Flow Management is nothing new, but always felt out of reach for most. It was too expensive, and the controllers were overkill for the majority of projects. SmartLink™ with Flow has arrived, and with it, bringing affordable web-based flow management to your desktop, tablet, and even the palm of your hand.

Learn Each Zone's Flow

Set Flow Limits

Stop Water Waste

Get Email Alerts

View Accurate Reporting



30 Mar
Litres Used: 5156

SMARTLINK AIRCARD WITH FLOW - 1522603

INCLUDES THREE
YEARS ACCESS TO
SMARTLINK NETWORK

Yearly subscription available
- with or without flow

PLUG AND SPRAY

In minutes you'll be controlling your sites from any Web-Based device.

BACKWARDS COMPATIBLE

Connects to over 250,000 existing SmartLine and ProLine controllers.

CELLULAR CONNECTION

Totally wireless. A reliable cellular connection is all you need.

REMOTE CONTROL

Your SmartPhone becomes the ultimate remote control. 600m is a thing of the past.

DRAMATIC WATER SAVINGS

Saves an average of 38% in water with smart features.

AVOID THE FINES

Quick compliance with water restrictions to avoid those costly fines.



Compatible with SmartLine®
and ProLine® controllers



WEB USER EXPERIENCE

Accessing your Controller is as Easy as Accessing the Web

The SmartLink™ web user experience is intended to make activating and programming your landscape controller incredibly simple. Appreciate the ease of use that saves time on programming and helps respond to customer requests or weather related events. Manage hundreds of sites, send global commands and easily copy programs to save significant time and expense. No sun-screen required.

PROFESSIONAL FEATURES

- Unlimited accounts
- Assignable account privileges
- Unlimited sites
- Unlimited controllers
- Web browser accessible
- Map integration
- Search Filters
- Single page controller overview
- Manual Zone/Program operation
- Recent Event list (export to .xlsx)
- Valve locator
- Basic programming (mirror SmartLine®/ProLine® features)
- Advanced “Smart” programming (mirror SmartLine® features)
- Seasonal Adjust by month/program
- Omit Days & Times
- Historical water use reports
- Historical temperature overlays
- Total gallons used per site/controller/zone
- Daily or Monthly summary
- Cellular Communication

INSPECTION REPORTING

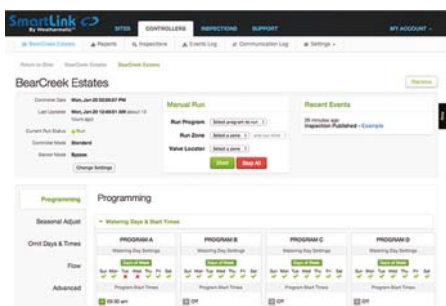
- Tablet optimised
- Manually operate zones from within application
- Identify then record valve status
- Identify then record zone specific problems
- Record estimated cost of repairs
- Save images for each zone
- Notes can be made globally and per zone
- Export reports to PDF, XLSX, or XLS

REQUIREMENTS

- SmartLine® or ProLine® controller (Firmware 3.10) with SmartLink™ Aircard installed.
- Yearly subscription fee

FLOW MONITORING

- Real water use reporting
- Virtual flow reporting when using standard Aircard
- Set low/high flow threshold
- Email alerts with low/high threshold is crossed
- Mainline and/or Zone automatic shut-down when low/high threshold is crossed
- Automatically learns each zone's lpm (running avg./current avg. **(FLOW AIRCARD/SENSOR REQUIRED)**)



Simple User Interface



Intuitive Reporting



Inspection Reporting

Smart just became Genius. Your Link to irrigation management lives.

SmartLink™ Residential

Ideal for residential applications. Allows full access to your irrigation controller from your smart phone, Apple watch or Alexa. No WiFi needed as it works off a cellular connection.

Unlimited Subscription

Stop Water Waste

Get Email Alerts



SMARTLINK RESIDENTIAL AIRCARD - 1501054

INCLUDES UNLIMITED
SUBSCRIPTION ACCESS
TO SMARTLINK NETWORK

Yearly subscription available
- with or without flow

PLUG AND SPRAY

In minutes you'll be controlling your sites from any portable, smart device.

BACKWARDS COMPATIBLE

Connects to over 250,000 existing SmartLine and ProLine controllers.

CELLULAR CONNECTION

Totally wireless. A reliable cellular connection is all you need.

REMOTE CONTROL

Your SmartPhone becomes the ultimate remote control. 600m is a thing of the past.

DRAMATIC WATER SAVINGS

Saves an average of 38% in water with smart features.

AVOID THE FINES

Quick compliance with water restrictions to avoid those costly fines.



Compatible with SmartLine®
and ProLine® controllers



**SMARTLINK
RESIDENTIAL**



**SMARTLINK
FLOW**

Number of users	2	Unlimited
Platform	App Only	Website & App
Compatible Controllers	ProLine, SmartLine	ProLine, SmartLine
Subscription length included	Unlimited	3 Years
Renewal length	n/a	1 year
Flow sensor support	No	Yes
Asset Management (Google Maps)	No	Yes
Inspections	No	Yes
Zone photos	Yes	Yes
Events log (history)	None	Unlimited
Notifications	9 Alert Types	26 Alert Types



SLW SERIES ON-SITE WEATHER STATIONS



Microprocessor records and processes weather data for use in establishing “Smart” Auto Adjust run times on any SmartLine® controller



Weather data is used to create powerful reporting when connected to the SmartLink™ Network



Adjustable Rain Sensor - 3, 6, 13 and 19mm



Prevents watering during freezing weather - below 3 °C



Compatible with the SmartLine® controller family



SLW5 915 - 928MHz Range
- 450m LOS
SLW1 Includes - 10m of cable



Wireless Version - SLW5
Wired Version - SLW1



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

Remote battery strength measurement from the SmartLine® controller

Adjustable arm plastic bracket for gutter thumb-screw or wall mount



Once the Weather Station is connected to SmartLine® all of the “Smart” features become available, saving you a significant amount of water.

Specification Guide		
Model	Description	Code
SLW5	Wireless Weather Station for SmartLine® Controllers	1522602
SLW1	Wired Weather Station for SmartLine® Controllers	1522550



RFS5 RAIN/FREEZE SENSOR



Adjustable Rain Sensor - 3, 6, 13 and 19 mm



Prevents watering during freezing weather - below 3 °C



Compatible with the SmartLine® and ProLine controller families



RFS5 915 - 928MHz Range
- 450m LOS



New Compact Design



QUICK INSTALL

Installs in minutes and comes with all the needed mounting accessories. Easy.

LOOK GOOD, SAVE WATER

Let Mother Nature do the job, and avoid the embarrassment of having your irrigation system watering during the rain.



Compatible with ProLine® and SmartLine® Controllers

10-YEARS OF SERVICE

You will be 10-years older before the Wireless RFS5's 2AAA batteries will need to be replaced.

DISCONNECT

The RFS5 wireless rain/freeze sensor enables you to install the sensor in locations that would otherwise be a challenge to get to.

Specification Guide		
Model	Description	Code
RFS5	Wireless Rain/Freeze Sensor for SmartLine® and ProLine® Controllers	1522656

420 SERIES RAIN SENSOR

420GLS

- Adjustable to the most popular rainfall settings: 3, 6, 12 and 19mm
- Tough UV-stabilized plastic housing, never yellows, lasts for years
- No-rust extruded aluminum bracket - mounts anywhere
- UL-listed watertight switch provides years of reliable service
- Works with virtually all 24 VAC controllers
- Each unit is factory tested
- Includes 10.5m of cable

Specification Guide		
Model	Description	Code
420GLS	Wired Rain Sensor (10.5m of cable)	1522657

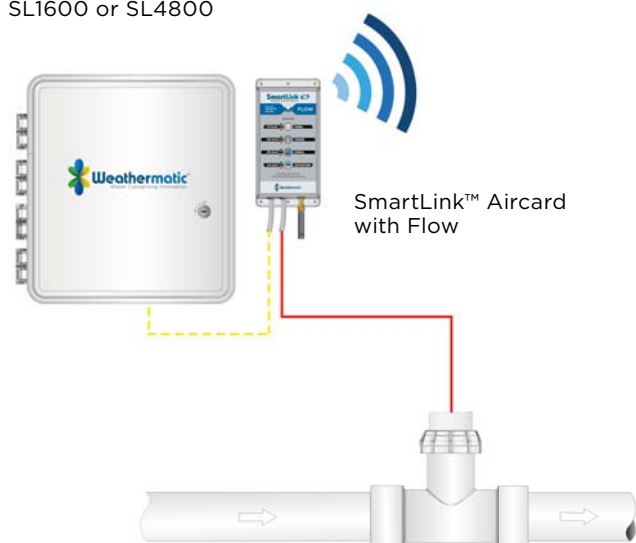


SMARTLINK SLFSI-T FLOW SENSOR

Introducing the SLFSI-T, a new tee type advanced flow sensor for 25mm, 40mm and 50mm PVC pipe.

The SLFSI-T wires directly to the SmartLink™ Aircard with Flow, enabling web-based flow management from your SmartPhone, Tablet, or Computer.

SmartLine® Controller
SL1600 or SL4800



FEATURES

- Threaded retaining nut makes it easier to service in a valve box
- The molded mounting tee provides consistent measurements and overall improved performance
- Four bladed lightweight impeller is sensitive enough to measure lower flow rates
- Smart electronics capable of better signal filtering
- Affordable enough to install on nearly all new and old systems

Running Avg.	Current Avg.	Low Flow Limit	High Flow Limit
15.9 LPM	15.1 LPM	14 LPM	17 LPM
19.9 LPM	19.0 LPM	17 LPM	22 LPM
53.1 LPM	53.1 LPM	46 LPM	57 LPM

Within the SmartLink™ settings, the user defines low/high flow limits based on the Running and Current Averages learned and calculated. If the threshold is crossed, the zone valve in question will be shut-off and email alert sent notifying the user of the event.



WETTED MATERIALS

Impeller – HDPE (High Density Polyethylene)
Shaft – Tungsten Carbide
O-ring – BUNA N
Tee, Sensor Housing, Retaining Nut – Type 1 PVC

PRESSURE RATING

Sensor designed to Schedule 40 specifications
Samples tested to working pressure of 1600 kPa

TEMPERATURE RANGE

0° to 60° C

OUTPUT SIGNAL

Frequency Range: 0.3 Hz to 200 Hz
Output Pulse: 5 msec +/-25%

TRANSDUCER EXCITATION

Quiescent current: 600 uA@8 VDC to 35 VDC max.
Quiescent voltage: (VHigh)= Supply Voltage - (600uA X Supply Impedance)
On State (VLow)= Max. 1.2 VDC@50mA current limit, (10Ω +0.7VDC)

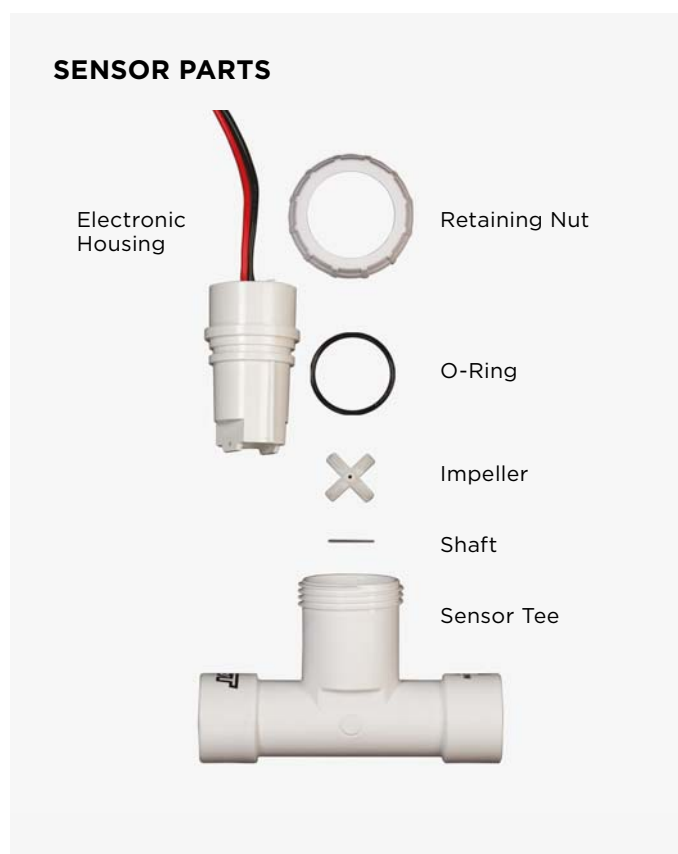
FLOW RANGE

0.25 to 15 FPS

ELECTRICAL CABLE

2 single conductor solid copper U.L. listed #18 AWG leads with direct burial insulation
Lead length: 1.2m
Wiring may be extended up to 600m with direct burial, twisted pair shielded cable

The sensor features a square wave digital signal proportional to flow. The output signal duplicates existing impeller flow sensor signals making the SLFSI-T series sensor compatible with all manufacturers' control products. The pulse signal will travel up to 600m without amplification.



SLFSI-T Flow Sensor Dimensions						
Size	Model No.	Description	A Length	B Length	C Length	Code
25mm	SLFSI-T10	1" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard	143 mm	43 mm	88 mm	1522658
40mm	SLFSI-T15	1 1/2" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard	157 mm	58 mm	130 mm	1522659
50mm	SLFSI-T20	2" Tee Type Insert Flow Sensor - Used with the SmartLink Flow Aircard	178 mm	73 mm	116 mm	1522660

SMARTLINK SLFSI-S FLOW SENSOR

Introducing the SLFSI-S. A series of saddle type flow sensors for 80mm and 100mm PVC pipe.

The SLFSI-S wires directly to the SmartLink™ Aircard with Flow, enabling web-based flow management from your SmartPhone, Tablet, or Computer.

SmartLine® Controller
SL1600 or SL4800



The saddle type sensors utilise the same flow sensor insert used in the tee type SLFSI-T Series sensors.

The insert, held in place with a retaining nut, contains the detection circuitry and carries the unique four-bladed ultra light impeller on a transverse axle.

The insert mounts in a housing that controls the depth and alignment of the impeller, unlike insert type sensors that may be mis-aligned or set to the wrong depth. The housing is permanently attached to the PVC saddle; therefore, no additional mounting hardware is required.



SLFSI-S Key Features		
Flow Range	1/4 to 12 FPS equivalent to: 22.7 to 1135 LPM in 80mm PVC 37.8 to 1817 LPM in 100mm PVC	
Working Pressure Rating	1000 kPa @ 32°C	
Outputs	001	Two wire standard pulse
	002	Two wire scaled output
	004	Three wire standard pulse
	006	Three wire low power TTL compatible



WETTED MATERIALS

Impeller – HDPE (High Density Polyethylene)

Shaft – Tungsten Carbide

O-ring – BUNA N

Saddle, Sensor Housing, Retaining Nut – Type 1 PVC

PRESSURE RATING

1000 kPa @ 32°C

TEMPERATURE RANGE

0° to 60° C

OUTPUT SIGNAL

Frequency Range: 0.3 Hz to 200 Hz

Output Pulse: 5 msec +/-25%

TRANSDUCER EXCITATION

Quiescent current: 600 uA@8 VDC to 35 VDC max.

Quiescent voltage: (VHigh) = Supply Voltage - (600uA X Supply Impedance)

On State (VLow) = Max. 1.2 VDC@50mA current limit, (10Ω +0.7VDC)

FLOW RANGE

0.25 to 12 FPS

80mm saddle: 22.7 to 1135 LPM

100mm saddle: 37.8 to 1817 LPM

ELECTRICAL CABLE

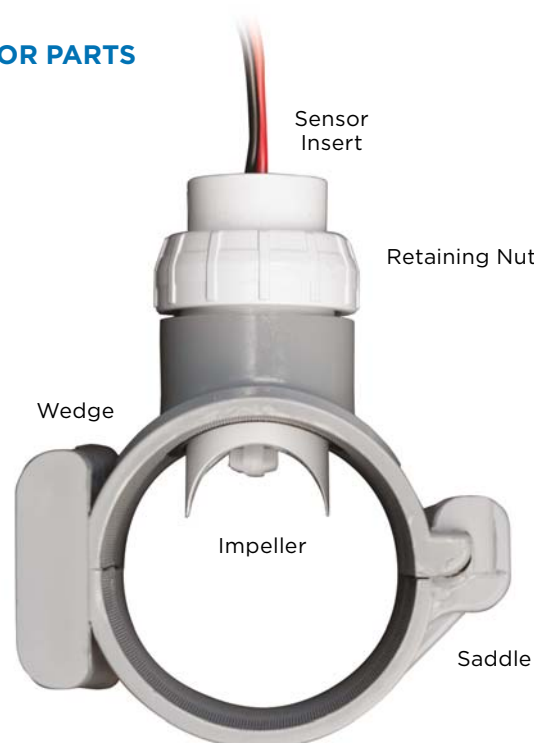
2 single conductor solid copper U.L. listed #18 AWG leads with direct burial insulation

Lead length: 1.2m

Wiring may be extended up to 600m with direct burial, twisted pair shielded cable

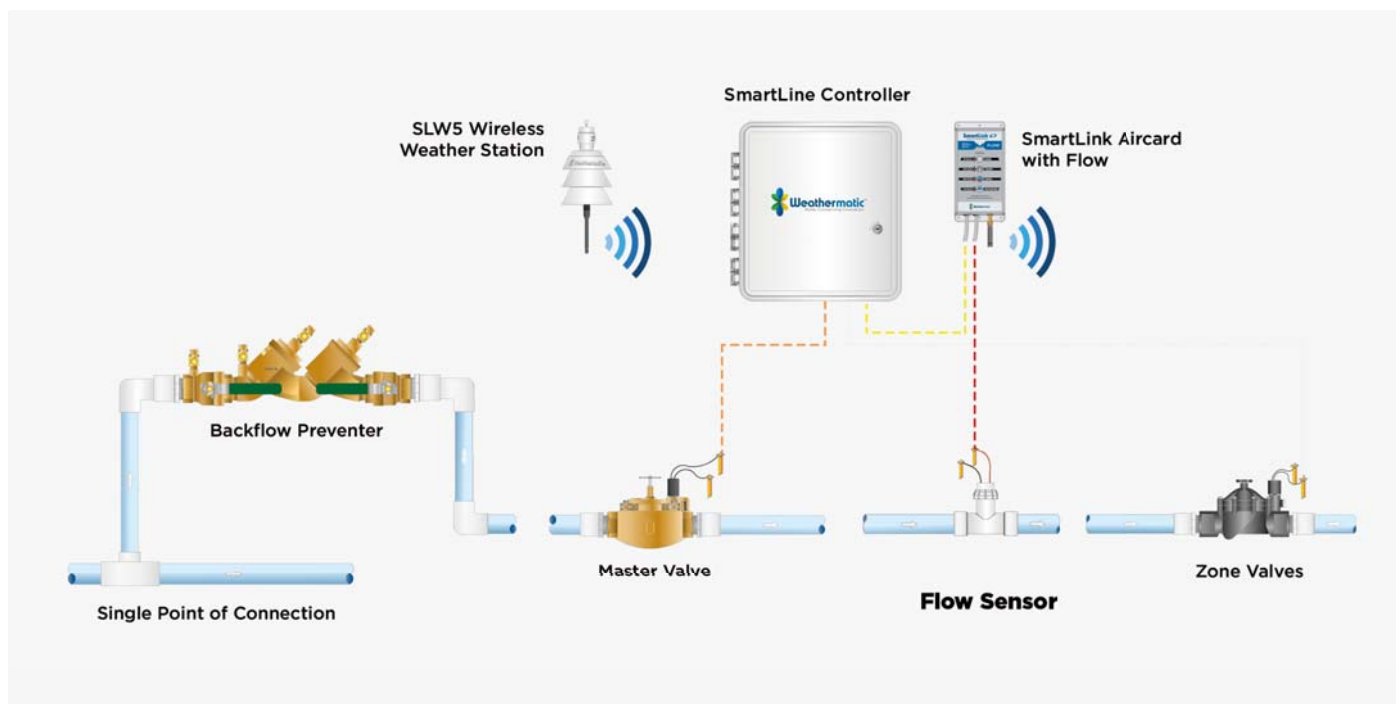
The sensor features a square wave digital signal proportional to flow. The output signal duplicates existing impeller flow sensor signals making the SLFSI-S series sensor compatible with all manufacturers' control products. The pulse signal will travel up to 600m without amplification.

SENSOR PARTS



Flow Sensor Dimensions Minimum Clearance Above Sensor Required for Removal — 96 mm						
Size	Model Number	Description	Overall Length	Overall Width	Overall Height	Code
80mm	SLFSI-S30	3" (76mm) Saddle Type Insert Flow Sensor - Used with the SmartLink Flow Aircard	127mm	140mm	165mm	1522661
100mm	SLFSI-S40	4" (102mm) Saddle Type Insert Flow Sensor - Used with the SmartLink Flow Aircard	127mm	165mm	190mm	1522662

T AND S FLOW SENSOR PLACEMENT



For the purpose of this illustration we have demonstrated the T-Flow Sensor.





SmartLink™ Flow Sensor Model Nominal Pipe Size		SLFSI-T10 25mm	SLFSI-T15 40mm	SLFSI-T20 50mm	SLFSI-S30 80mm	SLFSI-S40 100mm
	m/sec	LPM	LPM	LPM	LPM	LPM
Minimum Flow	0.08	3.25	6.8	10.6	22.7	37.9
	0.3	13.2	27.4	42.8	94.6	151.4
	0.61	26.5	54.9	87.1	189.3	302.8
	0.91	39.4	83.3	128.7	283.9	454.2
	1.52	64.4	136.3	215.8	473.2	757.1
	2.13	90.8	193.1	299	662.4	1059.9
	3.05	132.5	272.6	427.8	946.4	1514.2
	3.66	159	329.3	514.8	1135.6	1817
Maximum Flow	4.57	196.8	408.8	643.5		
Friction Loss at Max Flow		1.72 kPa	1.24 kPa	1.03 kPa	1.03 kPa	1.03 kPa



SOLENOID VALVES

Once installed, a valve is the last thing you ever want to see again. Take a good look, the Bullet Series of valves is known for being installed and then forgotten.

NITRO N-100 SERIES

Let's face it, there are many choices of economical valves available. We understand that. What you might not realize is that the Nitro's built from the same technology found in our legendary Silver and Black bullet valves. This means you will install a valve that's unmatched in performance and price. Give it a try.

2 YEAR WARRANTY

MADE FROM 100% VIRGIN PVC

EASY ACCESS COVER

PRESSURE ACTIVATED DIAPHRAGM

REVERSE FLOW DESIGN

MOULDED "SHOCK CONE"

MARINE-GRADE SOLENOID



N-100 Series

1000 kPa

SilverBullet 12000 SERIES

There's a good reason we call it the Silver Bullet. The thousands of users around the world know why, and when you install it, you will too. Habits are hard to break, and most installers have installed the same valve for years. It's time for you to make a change. Chamber a round, and put the Silver Bullet in your next install.

2 YEAR WARRANTY

RESIDENTIAL - COMMERCIAL

GLASS-FILLED NYLON

20-YEAR TRACK RECORD

BOLT-ON COVER

REVERSE FLOW DESIGN

MARINE-GRADE SOLENOID



12000 Series

1000 kPa

BlackBullet 11000 SERIES MAX

If an extra-shot of strength for your most demanding site is required, the Black Bullet Max can handle it. The world renowned Weathermatic solenoid has been enhanced for the highest of pressures.

10 YEAR TRADE WARRANTY

S24B HIGH-EFFICIENCY SOLENOID

BRASS "SHOCK CONE"

BRASS NON-RISING FLOW CONTROL

CONTAMINATION-RESISTANT

REVERSE FLOW DESIGN



11000 Series

1550 kPa



NITRO N-100 SERIES

Consider 9 Compelling Reasons why the N-100 Series Nitro is the Smart Solution!



1 DURABLE MATERIAL

- 100% virgin material gives the Nitro added strength over conventional PVC valves
- Hydrostatic tests prove Nitro resistance to cracking at over 4800 kPa

2 EASY ACCESS COVER

- Combination hex, slot and Phillips retaining screws provide multiple access options and superior operation up to 1000 kPa
- Weathermatic installers will tell you they rarely need to open a Nitro valve

3 UNMATCHED MANUAL BLEED

- Send the Nitro into action by simply pulling the trigger
- It's the easiest, driest internal manual bleed in the business that won't flood the valve box
- No twisting on a solenoid or bleed screw is required

4 SHOCKING SHOCK CONE

- The Nitro puts the hammer to water hammer by incorporating a cone-shaped diaphragm base
- The shock cone interrupts the water flow more gradually than other diaphragms to enable quick valve closure without the damaging effect of water hammer

5 MULTIPLE CONNECTION CONFIGURATIONS

- Female threaded connections allow for multiple configurations

6 PRESSURE ACTIVATED DIAPHRAGM

- Pressure activated diaphragm ensures reliable operation with no leakage at pressures up to 1000 kPa

7 REVOLUTIONARY REVERSE FLOW DESIGN

- The Weathermatic reverse flow design with a 45-year track record brings you:
- Reverse flow design means the valve fails shut rather than open in the event of diaphragm failure, unlike conventional forward flow valves that fail open
- Balanced pressure on the diaphragm extends valve diaphragm life beyond forward flow valves
- Self-cleaning function is achieved as diaphragm actually flexes during operation to send dirt and debris down the line without the maintenance worry of filters and screens

8 5 YEAR TRACK RECORD

- The Nitro track record shows less than a fraction of 1% return rate over 5+ years of reliable performance

9 AMAZING VALUE

- Seasoned installers know that valves are the last place to cut expenses when just one call-back eliminates any cost savings on the job



N-100 SERIES - NITRO REMOTE CONTROL VALVE

FEATURES

- 2 year warranty 100% water tested
- 1000 kPa rating
- Minimum operating pressure of 103 kPa
- Unique "reverse flow" design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure, providing zero stress to prevent "stretching," a common cause of valve failure
- Reverse flow design for water conservation in the event of failure
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- Marine-grade S20P solenoid with stainless steel actuator

- Engineering grade PVC body and cover with combination hex, slot and Phillips retaining screws
- Non-rising flow control stem throttles valve from full open to closed position on flow control models
- Chlorine - and chloramine - resistant EPDM diaphragm material

ELECTRICAL

- Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

24VAC/50HZ

Inrush: 0.44 Amps

Holding: 0.25 Amps

- Do not use nominal voltage ratings listed above for sizing of valve wire

MODEL

1522524 25mm FIP with flow control

N-100 SERIES VALVE PRESSURE LOSS

METRIC

Flow L/min	Loss kPa
0-15.14	9 max
15.14	9
22.71	14
30.28	19
37.85	22
45.42	25
53.00	28
60.57	30
68.14	32
75.71	33
83.28	35
90.85	38
98.42	41
106.00	45
113.56	47
121.13	50
132.49	51



1522524

SilverBullet

12000 SERIES

Consider 7 Compelling Reasons why the 12000 Series Silver Bullet is the Smart Solution!



1 SUPERIOR MATERIAL

- Glass-filled nylon construction gives the Silver Bullet added strength over conventional PVC valves
- Pick up a Silver Bullet in one hand and any other valve in the other to feel the difference

2 BOLT-ON COVER

- Stainless steel bolts easily thread in and out of quality brass inserts
- Weathermatic installers will tell you they rarely need to open a Silver Bullet valve. If you do, it is easier to open and close than most valves using screws or jar tops that are susceptible to stripping, dirt, and grit.

3 UNMATCHED MANUAL BLEED

- Send the Silver Bullet into action by simply pulling the trigger
- It's the easiest, driest internal manual bleed in the business that won't flood the valve box
- No twisting on a solenoid or bleed screw is required

4 SHOCKING SHOCK CONE

- The Silver Bullet puts the hammer to water hammer by incorporating a cone-shaped diaphragm base
- The shock cone interrupts the water flow more gradually than other diaphragms to enable quick valve closure without the damaging effect of water hammer

5 REVOLUTIONARY REVERSE FLOW DESIGNS

- The Weathermatic reverse flow design with a 45-year track record brings you:
- Reverse flow design means the valve fails shut rather than open in the event of diaphragm failure, unlike conventional forward flow valves that fail open
- Balanced pressure on the diaphragm extends valve life over forward flow valves
- Self-cleaning function is achieved as diaphragm actually flexes during operation to send dirt and debris down the line without the maintenance worry of filters and screens

15 YEAR TRACK RECORD

- 6 • The Silver Bullet track record shows less than a fraction of 1% return rate over 15+ years of reliable performance

AMAZING VALUE

- 7 • Seasoned installers know that valves are the last place to cut expenses when just one call-back eliminates any cost savings on the job



12000 SERIES - SILVER BULLET REMOTE CONTROL VALVE

FEATURES

- 2 year warranty 100% water tested
- 1000 kPa rating
- Minimum operating pressure of 103 kPa
- Unique “reverse flow” porting design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure providing zero stress to prevent “stretching,” a common cause of valve failure
- Reverse flow design for water conservation in the event of failure
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has stops for open and closed positions
- Marine-grade S20P solenoid with stainless steel actuator
- High-strength glass-filled nylon body and cover with ¼" stainless steel cover bolts and mating brass body inserts
- Non-rising flow control stem throttles valve from full open to closed position on flow control models
- Chlorine - and chloramine - resistant EPDM diaphragm material

ELECTRICAL

- Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

24VAC/50HZ

Inrush: 0.44 Amps

Holding: 0.25 Amps

- Do not use nominal voltage ratings listed above for sizing of valve wire

MODELS

1522525	25mm FIP with flow control
1522526	40mm FIP with flow control
1522527	50mm FIP with flow control

12000 SERIES VALVE

METRIC (Pressure Loss kPa)

Flow L/min	1522525 25mm	1522526 40mm	1522527 50mm
0-15.14	8 max		
22.71	12		
30.28	17		
37.85	21		
56.78	27		
75.71	32	9	
94.64	36	11	
113.56	43	13	
132.49	50	17	
151.42		21	16
170.34		26	17
189.27		32	18
208.20		39	19
227.12		46	20
264.98		66	23
302.83		90	23
340.69			29
378.54			36
416.40			46
454.25			53
492.10			61



BlackBullet

11000 SERIES MAX

11000FCR SERIES - BLACK MAX REMOTE CONTROL VALVE

FEATURES

- 10 year warranty and 100% water tested
- 1550 kPa rating
- Minimum operating pressure of 103 kPa
- S24B high-efficiency solenoid for positive opening at high pressures; includes stainless steel actuator and brass threads for long life
- Unique "reverse flow" porting design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure providing zero stress to prevent "stretching," a common cause of valve failure
- Reverse flow design for water conservation in the event of failure
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Brass shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has stops for open and closed positions
- High-strength glass-filled body and cover with ¼" stainless steel cover bolts and mating brass body inserts
- Brass non-rising flow control stem throttles valve from full open to closed position
- Excellent for low volume irrigation
- Contamination-resistant (CR)
- Chlorine-and chloramine-resistant EPDM diaphragm material

ELECTRICAL

- Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

24VAC/50HZ

Inrush: 0.45 Amps

Holding: 0.31 Amps

- Do not use nominal voltage ratings listed above for sizing of valve wires

MODELS

1522534 25mm FIP

1522535 40mm FIP

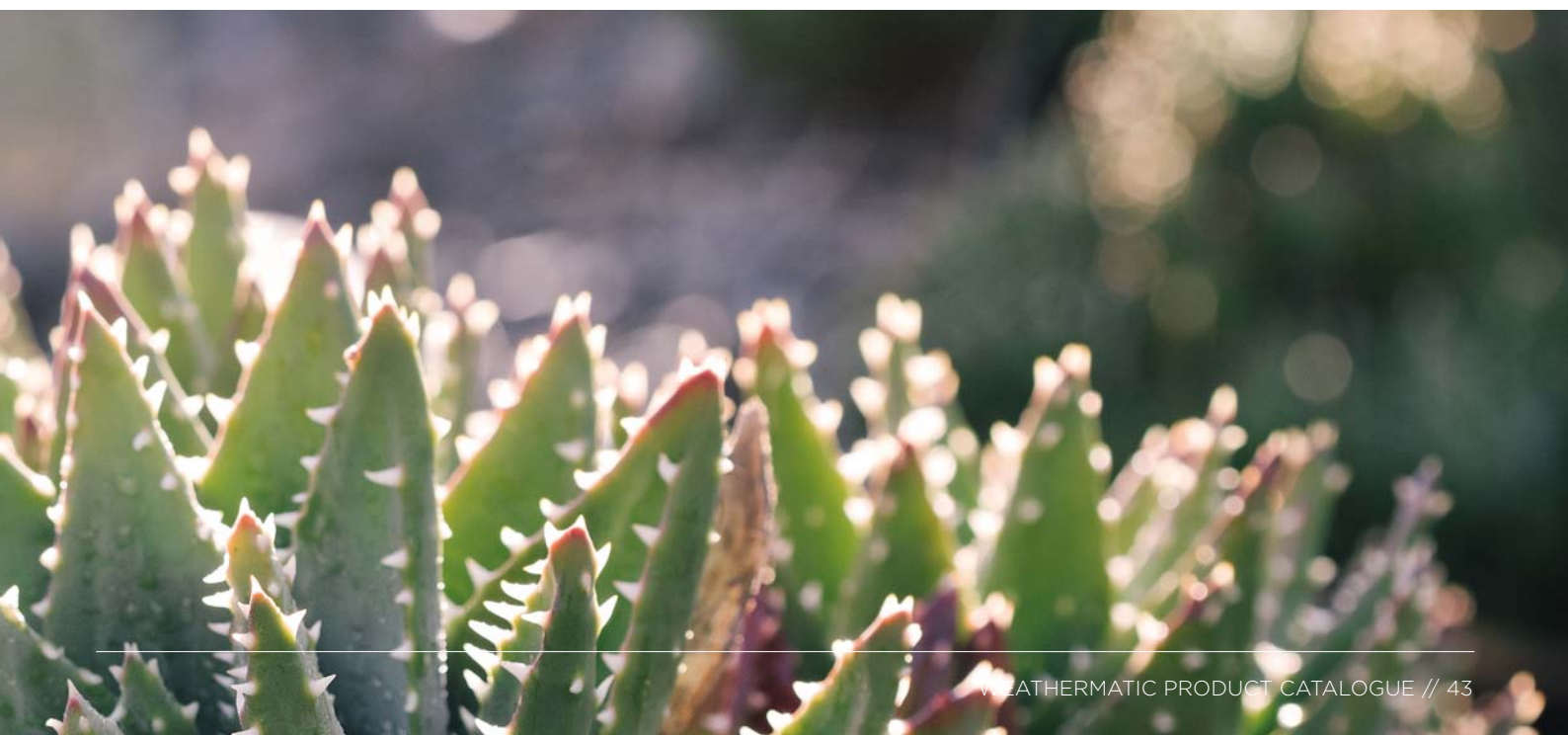
1522536 50mm FIP



11000FCR SERIES VALVE

METRIC (Pressure Loss kPa)

Flow L/min	1522534 25mm	1522535 40mm	1522536 50mm
0-15.14	8 max		
22.71	10		
30.28	12		
37.85	13		
56.78	14		
75.71	18	10	
94.64	24	12	
113.56	32	14	
132.49	43	17	
151.42	54	21	16
170.34	64	26	17
189.27	77	31	17
208.20		37	18
227.12		51	20
264.98		68	23
302.83		90	23
340.69			29
378.54			34
416.40			42
454.25			50
492.10			62



MAXSpray MAXPRSSpray

Build your systems with purely professional quality using the full range of Max sprays and nozzles.

MAX SEAL

- Industry first dual pressure-activated seal with 720 degree sealing surface around flow tube stem, cap, and body eliminates stick-ups and cap to body leaks
- Industry standard white Santoprene seal for ultimate performance

MAX SPRING

- Industry's strongest spring for positive retraction
- Corrosion resistant stainless steel material for long life
- Unique reversible spring design can be installed in either direction for simple, fast field assembly

MAX SELF-CLEANING CHECK VALVE (PRS ONLY)

- Enhanced debris resistance through expanded surface area
- Tapered design for self-cleaning operation
- Positive seal even in dirty water environment

MAX PRESSURE REGULATION (PRS ONLY)

- Reduces water consumption by up to 50%
- Eliminates wasted water caused by high pressure – no misting and fogging
- Optimises outlet pressure for consistent performance, even with pressure variations

MAX LEVEL CAP

- Flat cap and easy pull up, low profile flush plug for sprinkler leveling
- Superior labeling process allows better identification and customisation

MAX NOZZLE OPTIONS

- Compatible with all industry-standard female thread nozzles





STANDARD MODELS

Model	Code	Description
MAX3	1522692	80mm (3") Pop-Up Height
MAX4	1522689	100mm (4") Pop-Up Height
MAX6	1522690	150mm (6") Pop-Up Height
MAX12	1522691	300mm (12") Pop-Up Height



PRESSURE REGULATING MODELS WITH CHECK VALVE

Model	Code	Description
MAX4PRS30-CV	1522694	100mm (4") Pop-Up Height with 30 PSI regulated stem and Check Valve Best for standard spray nozzles
MAX4PRS40-CV	1522695	100mm (4") Pop-Up Height with 40 PSI regulated stem and Check Valve Best for rotating nozzles

Pressure range:
15 - 70 PSI (1,0 - 4,8 BARS)

Blow-by:
Zero @ 5 PSI (0,3) or greater

Factory installed check valve:
14 ft/hd @ 18 PSI
(4.3 m/hd @ 1,2 BAR)

ACCESSORIES

Model	Code	Description
MAX-NP	1522693	Lilac Cap for Non-Potable Applications



**MAX-NP
NON-POTABLE
COVER**



MAXAAN

Weathermatic's Adjustable Arc nozzle series (AAN) offers easy grip-and-turn adjustment, wet or dry. Exceptional uniform coverage. Flows increase or decrease proportionately with radius adjustment to maintain matched precipitation rates (MPR) between arcs within a radius.

SPECIFICATIONS

FEATURES

- Insert a coin in adjustment slot to easily set arc range from 0 – 360°
- Fits MAX Series Sprinklers and all industry standard sprayheads with male thread risers
- Color-coded for easy identification
- Stainless steel radius adjustment screw
- Screens and adjustment coin included with nozzles
- Reusable, dual compartment resealable bags for organizing nozzles and strainers

OPERATING DATA

- Precipitation Rate: 30 – 146 mm per hour
- Pressure: 140 – 280 kPa

MAX ADJUSTABLE ARC NOZZLE SPECIFICATION













METRIC		
Model	Radius	mm/hr
8A	2.4 – 2.7 m	108.46 – 132.84
10A	3.0 – 3.4 m	70.1 – 87.12
12A	3.7 – 4.0 m	35.81 – 39.12
15A	4.3 – 4.9m	32.26 – 36.07
17A	4.6 – 5.2m	31.50 – 41.66



**EASY ARC ADJUSTMENT
WITH A COIN OR BY HAND**



MAX ADJUSTABLE ARC NOZZLES // METRIC

											
		Nozzle 8A Trajectory: 0° Code: 1522670		Nozzle 10A Trajectory: 5° Code: 1522671		Nozzle 12A Trajectory: 15° Code: 1522672		Nozzle 15A Trajectory: 30° Code: 1522673		Nozzle 17A Trajectory: 30° Code: 1522674	
Arc	Pressure kPa	Radius m	Flow L/min	Radius m	Flow L/min	Radius m	Flow L/min	Radius m	Flow L/min	Radius m	Flow L/min
45°	138	2.4	2.17	3.0	2.17	3.7	1.83	4.3	2.00	4.6	2.67
	172	2.4	2.33	3.0	2.50	3.7	2.33	4.3	2.17	4.9	3.00
	207	2.4	2.50	3.0	2.83	3.7	2.50	4.6	2.50	4.9	3.33
	241	2.7	2.67	3.4	3.00	4.0	2.67	4.6	2.67	5.2	3.67
	276	2.7	3.00	3.4	3.33	4.0	2.67	4.9	2.83	5.2	4.17
90°	138	2.4	3.17	3.0	3.50	3.7	2.83	4.3	2.67	4.6	3.33
	172	2.4	3.33	3.0	3.83	3.7	3.50	4.3	3.00	4.9	4.00
	207	2.4	3.67	3.0	4.17	3.7	3.83	4.6	3.33	4.9	4.33
	241	2.7	3.83	3.4	4.50	4.0	4.17	4.6	3.50	5.2	4.67
	276	2.7	4.33	3.4	4.83	4.0	4.33	4.9	3.83	5.2	5.00
120°	138	2.4	3.33	3.0	4.17	3.7	3.33	4.3	3.33	4.6	4.17
	172	2.4	4.33	3.0	5.00	3.7	4.00	4.3	3.67	4.9	4.67
	207	2.4	4.67	3.0	5.33	3.7	4.33	4.6	4.17	4.9	5.17
	241	2.7	5.17	3.4	5.67	4.0	4.67	4.6	4.50	5.2	5.50
	276	2.7	5.33	3.4	6.00	4.0	5.00	4.9	4.67	5.2	5.83
180°	138	2.4	5.17	3.0	5.50	3.7	4.67	4.3	5.33	4.6	5.67
	172	2.4	5.50	3.0	6.17	3.7	4.83	4.3	5.83	4.9	6.17
	207	2.4	6.17	3.0	6.67	3.7	6.00	4.6	6.33	4.9	6.83
	241	2.7	6.67	3.4	7.00	4.0	6.50	4.6	6.50	5.2	7.50
	276	2.7	7.00	3.4	7.67	4.0	7.00	4.9	6.83	5.2	8.00
240°	138	2.4	6.50	3.0	7.17	3.7	5.50	4.3	6.67	4.6	7.50
	172	2.4	7.50	3.0	8.00	3.7	6.17	4.3	7.50	4.9	8.33
	207	2.4	8.33	3.0	8.67	3.7	6.83	4.6	8.33	4.9	9.17
	241	2.7	9.17	3.4	9.50	4.0	7.33	4.6	9.17	5.2	10.17
	276	2.7	9.67	3.4	10.17	4.0	8.17	4.9	9.83	5.2	11.00
270°	138	2.4	7.00	3.0	7.50	3.7	5.83	4.3	7.17	4.6	8.33
	172	2.4	8.00	3.0	8.50	3.7	6.50	4.3	8.33	4.9	9.83
	207	2.4	8.50	3.0	9.33	3.7	7.33	4.6	9.17	4.9	10.67
	241	2.7	9.17	3.4	10.17	4.0	8.00	4.6	9.83	5.2	11.33
	276	2.7	10.00	3.4	11.33	4.0	8.67	4.9	10.67	5.2	12.17
360°	138	2.4	8.33	3.0	8.67	3.7	6.33	4.3	9.17	4.6	9.83
	172	2.4	9.50	3.0	9.83	3.7	7.17	4.3	9.83	4.9	11.00
	207	2.4	10.83	3.0	10.83	3.7	8.00	4.6	11.00	4.9	12.17
	241	2.7	11.33	3.4	11.83	4.0	8.67	4.6	12.17	5.2	12.83
	276	2.7	12.17	3.4	12.83	4.0	9.17	4.9	13.17	5.2	14.00

B Series

SPECIFICATIONS - BRASS NOZZLES

FEATURES

- Milled brass design provides best available uniform precipitation for water, material and labour savings in a professional design. Arcs and angles for any landscape requirement. Reinforced border spraying combines with an extremely flat slope of distribution to eliminate the requirement for "head-to-head" coverage.
- B Series nozzles fit MAX sprayheads, as well as all industry standard male thread risers
- Low minimum operating pressure of 140 kPa



**FULL
CIRCLE**



**PART
CIRCLE**



STRIP NOZZLES



**NOZZLE WITH
SCREEN**

TYPICAL PLASTIC NOZZLE UNIFORMITY



B SERIES UNIFORMITY



BRASS NOZZLE ADAPTER



**1522573
1/2" IPS**



B SERIES STRIP NOZZLES






METRIC			B10	
Arc	Code	kPa	L/min	W + L (m)
EST	1522575	140	1.17	1.2 x 2.4
		170	1.50	1.2 x 2.7
		210	1.83	1.2 x 3.0
CST	1522578	140	2.67	1.2 x 4.8
		170	3.00	1.2 x 5.5
		210	3.33	1.2 x 6.1
SST	1522581	140	2.67	1.2 x 4.8
		170	3.00	1.2 x 5.5
		210	3.33	1.2 x 6.1

B SERIES DESIGN NOTES

Many designers derate recommended spacing for climate and wind. Listed radius is determined by ASAE industry standard measurement of 2.5mm per hour.

Precipitation: 25 mm per hour for full circle / 140 kPa at maximum triangular spacing.

MATCHED PRECIPITATION

Max Spacing			B10 3.0 m			B15 4.4 m			B20 6.0 m		
Arc	Model	kPa	Code	L/min	Radius	Code	L/min	Radius	Code	L/min	Radius
360° 	F	140				1522676	9.17	3.3	1522596	15.83	3.9
		170					10.17	3.6		18.17	4.2
		210					11.33	3.6		20.00	4.5
180° 	H	140	1522584	2.33	2.4	1522677	5.33	3.3	1522598	9.17	3.9
		170		2.67	2.4		6.00	3.6		10.17	4.2
		210		2.67	2.7		6.83	3.6		11.00	4.5
90° 	Q	140	1522585	1.17	2.4	1522679	2.67	3.3	1522600	4.50	3.9
		170		1.50	2.4		3.00	3.6		5.33	4.2
		210		1.50	2.7		3.33	3.6		5.67	4.5
270° 	TQ	140	1522583	3.33	2.4	1522678	9.17	3.3	1522597	14.33	3.9
		170		3.83	2.4		9.83	3.6		16.33	4.2
		210		4.17	2.7		11.00	3.6		17.83	4.5
120° 	T	140	1522675	1.50	2.4	1522680	3.83	3.3	1522599	6.00	3.9
		170		1.83	2.4		4.17	3.6		6.83	4.2
		210		2.33	2.7		4.50	3.6		7.50	4.5

B10 nozzles are 15° trajectory B15 and B20 are 30° trajectory



STATEMENT OF TRADE WARRANTY

10 YEARS

11000CR solenoids

5 YEARS

Spray equipment, nozzles

3 YEARS

SmartLine (SL1600, SL4800 and SL9600TW) and ProLine (PL1600) controllers.

2 YEARS

N-100 and 12000 Series valves; all other catalogued products not specifically listed, or under the 5 or 10 year extended warranties.

All trade warranties are effective from the original date of manufacture. The trade warranties extend only to the original professional installer of the Weathermatic products and do not extend to repairs, replacements or adjustments of Weathermatic products due to misuse, negligence, alteration, modification, tampering or improper installation and maintenance of the product and/or system. Contact your local Weathermatic authorized distributor for all warranty claims. Weathermatic's obligation is to repair or replace its products found to have defects in material or workmanship. There are no other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Weathermatic will not be liable to any party in strict liability, tort, contract or any other manner for damages caused or claimed to be caused as a result of any design or defect in Weathermatic's products, or any special incidental or consequential damages of any nature.

PRODUCT CHANGES

Weathermatic reserves the right to alter, modify or redesign its products, pricing and warranty at all times without creating any liability for the obsolescence of customer inventory of such parts or products.

ASAE CERTIFICATION STATEMENT

Weathermatic certifies that pressure, flow rate and radius data for these products were determined and listed in accordance with ASAE Standard S398.1, Procedure for Testing and Performance Reporting, and are representative of performance of production sprinklers at the time of publication. Actual product performance may differ from the published specifications due to normal manufacturing variations and sample selection.



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