



STERLING MULTI-WIRE IRRIGATION CONTROLLER

Sterling provides an ideal multi wire solution for the irrigation of golf courses, landscape, farms and nurseries. Sterling multi wire cable systems are easy to install.

FEATURES

- Six independent programs that can run concurrently
- Up to 9 daily cycle starts per program: or loop watering optional in all six programs for unlimited cycles
- No limit on the number of programs to which a station can be assigned (all six if desired)
- Station timing adjustable from 1 minute to 24 hours in 1 minute increments. Seconds/minutes time base optional in all six programs
- An illuminated LED lets you know if a program is in the seconds/minutes mode
- Automatic, semi-automatic, manual and timed manual operation
- Programmable watering calendar. The watering calendar is factory set at 7 days, but can be changed to any length from 1 to 32 days
- Programmable "system check" cycle that can be initiated at any station. Station "on" duration programmable from 1 min to 15 mins (or optionally, 1 to 15 seconds per station)
- Water budgeting feature to simultaneously change the watering duration of all stations within a program(1% to 255%). An illuminated LED lets you know if water budgeting is set at other than 100%
- Single program option gives you the flexibility of having two or more programs scheduled, but limiting automatic operation to only that program at which the dial is set
- Programmable rain off up to 14 days. The controller will resume automatic operation on the day following the last "Off" day. Program erase feature allows existing programs to be erased individually or all at once
- Programmable pause of 1 second to 59 seconds between stations to allow full valve closure before advancing to the next station
- Programmable loop allows a program's watering cycle to continuously repeat for a desired period. Cycles can repeat immediately or after a programmed delay of 1 minute to 4 hours and 15 minutes
- Program 6 can be activated by a sensor switch such as a thermostat. Ideal for frost protection or cooling
- Simplified program review. Program information can be scrolled on the display
- Master valve/pump start circuit can be disabled during operation of any program
- Manual valve/pump start station can be turned on manually without another station turning on



See next page for more specifications

Specifications subject to change without notice - Product drawings / Images are representative only and are subject to change

CONTROLLERS_STERLING_V1.05-20

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SENSOR ACTIVATION OF PROGRAM #6

A temperature switch (or other “normally open” sensor switch) can be connected to sensor terminals of controller. When sensor contacts close, a watering cycle is initiated in program #6.

The cycle will continuously repeat as long as the sensor switch remains closed.

If the Frost Override Option (one of 9 programmable options) is used, programs 1 thru 5 will be suspended during the sensor activated operation of program #6. When the sensor switch opens, the watering cycle in program #6 will immediately stop and programs 1 thru 5 will be allowed to resume operation.

MISTING FEATURES

The time base in all six programs can be changed to seconds/minutes so that individual station timing is adjustable from 1 second to 24 minutes in 1 second increments. Misting cycles can repeat immediately or after a programmed delay of 1 minute to 4 hours and 15 minutes. Cycling can be started and stopped manually as well as automatically. Stations can be assigned to multiple programs (up to six) with different “On” durations in each program. This makes it possible for the “On” duration and “Off” duration of a station to change automatically during the day to match the changing misting requirements of plant material. Programmable pause of 1 second to 59 seconds between stations to allow full valve closure before advancing to the next station.

ELECTRICAL SPECIFICATIONS

- Input: 240vac @ 50Hz
- Output: 24vac @ 40Va, 1.5 amp max
- Maximum of 3 x 4 watt solenoids per station
- Non volatile memory holds program information during power outages
- Lithium battery, keeps real time during power outages
- Electronic circuit breaker identifies and overrides shorted solenoid valves
- Master valve / Pump Start circuit
- Lightning and surge protection
- Wall mount
- UL listed

MODELS	CODE
Sterling controller - 4 Station with power cord	STERLING4
Sterling controller - 8 Station with power cord	STERLING8
Sterling controller - 12 Station with power cord	STERLING12
Sterling controller - 18 Station with power cord	STERLING18
Sterling controller - 24 Station with power cord	STERLING24
Sterling controller - 30 Station with power cord	STERLING30
Sterling controller - 36 Station with power cord	STERLING36

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