



Sterling Series Controllers

Sterling



SOLID STATE CONTROLLERS



Sterling Series Controllers

4, 8, 12, 18, 24, 30 & 36 Station Models

Features & Benefits

- 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 min. (or 1 to 15 sec. 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.

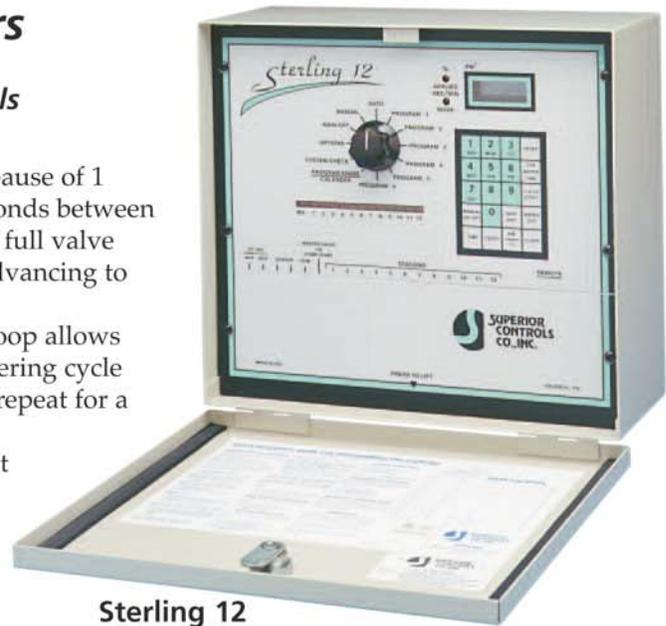
- Programmable pause of 1 second to 59 seconds between stations to allow full valve closure before advancing to the next station.
- Programmable loop allows a program's watering cycle to continuously repeat for a desired period. Cycles can repeat immediately or after a programmed delay of 1 minute to 4 hours, 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.
- Master valve/pump start station can be turned on manually without another station turning on.

Pedestal Specifications

- Heavy duty steel, rust resistant.
- Weather proof.
- Removable cover with lock and key.
- Partition to separate valve wires from power supply wires.

Technical Information & Specifications

- Non-volatile memory holds program information during power outages of any length.
- Ten year lithium battery (included) keeps real-time during power outages of any length.



Sterling 12

- Electronic circuit breaker identifies and overrides shorted solenoid valves.
- Remote control connector for direct interface with Sidekick® from TRC Irrigation Remotes, Kirkland, WA.
- Master valve/pump start circuit.
- Lightning and surge protector.
- Wall or pedestal mount. Pedestal sold separately.
- Weather-proof metal cabinet with lock and key.
- U.L. listed.

Electrical Specifications

Input: 120 VAC @ 50 or 60 Hz.

Output: 24 VAC @ 40 VA, 1.5 AMP MAX.

Maximum of three 4-watt solenoids per station.

Optional 78 VA transformer enables six 4-watt solenoids to operate simultaneously.

Optional 220 VAC, 50 Hz.

Misting Applications

The Sterling is a highly flexible misting controller in addition to being ideally suited for virtually all other watering applications. An extra set of instructions tailored specifically for misting applications is included with all controllers.



Sterling 30



Sterling 30 with pedestal

Misting Features & Benefits

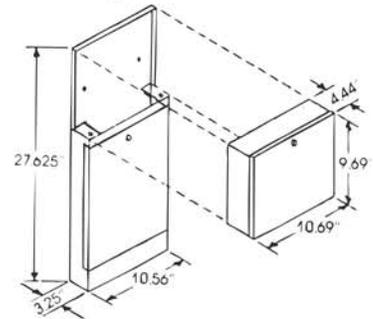
- The time base in all six programs can be changed to seconds/minutes so that the individual station timing is adjustable from 1 second to 24 minutes in 1 second increments.
- Misting cycles can repeat immediately or after a programmed delay of 1 minute to 4 hours, 15 minutes.
- Cycling can be started and stopped manually as well as automatically.
- Stations can be assigned to multiple programs (up to six) with different "On" and "Off" 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.

Sensor Activation of Program #6

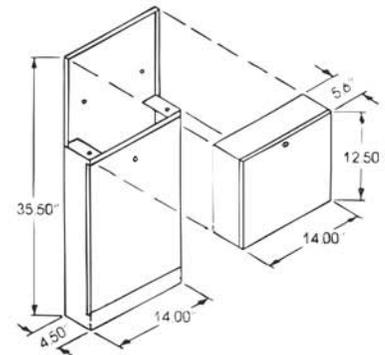
A temperature switch (or other "normally open" sensor switch) can be connected to sensor terminals of controller. When sensor contacts close, a watering cycle is initiated in program #6. The cycle will continuously repeat as long as the sensor switch remains closed.

If the Frost Override Option (one of 16 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.

Sterling 4, 8, & 12 Pedestal



Sterling 18, 24, 30, & 36 Pedestal



Terminal Strip Option (TS)

Sterling 18, 24, 30, and 36 models ordered with this option are equipped with terminal strips mounted to the inside rear of the enclosure to connect field wires.



Sterling 18

	D I M E N S I O N S			
	Sterling 4, 8, 12		Sterling 18, 24, 30, 36	
	Case	Pedestal	Case	Pedestal
Height	9.69	27.625	12.5	35.5
Depth	4.44	3.25	5.6	4.5
Width	10.69	10.56	14	14



Lightning Board Option (L)

For added surge and lightning protection, we offer an optional factory installed lightning protection board made by Control Tech USA, a leader in lightning protection technology.

- 3 layer lightning and power surge protection for the field wiring and the 24 VAC supply.
- User replaceable field side fuses.
- Auto resettable 24 VAC fuses.

Sterling controllers ordered with the lightning board option are guaranteed against damage by lightning for three years from the date of purchase.

Remote Control

The Sidekick System® for Sterling controllers is available from TRC Irrigation Remotes, Kirkland, WA. Easy installation and simple operation make it the contractors' ultimate labor saving solution for remote control. The Sidekick System® includes everything needed for remote control operation including transmitter, receiver and DCI-1 cable.

(www.irrigationremotes.com)



TRC Irrigation Remotes also makes an inexpensive permanent receiver card customized for the Sterling that easily mounts inside the controller. All receivers can be operated by one single TRC Comander® transmitter.

