

Conserve water, labor, and fertilizer with The Power of Digital TDT[®] Moisture sensors.



The CS3500 is the most efficient irrigation controller on the market using Acclima Digital TDT[®] soil moisture sensors and Water on Demand[®] technology. Central control software and advanced communications capabilities enable the CS3500 to be monitored remotely.

Each zone can be set to one of three modes of operation: as a reference zone with its own sensor, as a dependent zone that tracks a reference zone, or as a timed zone. The CS3500 easily accommodates both drip and spray zones.

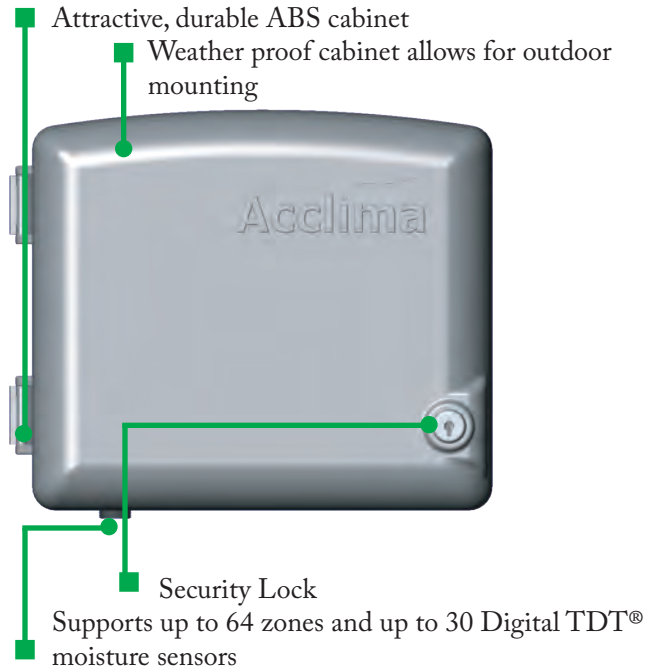
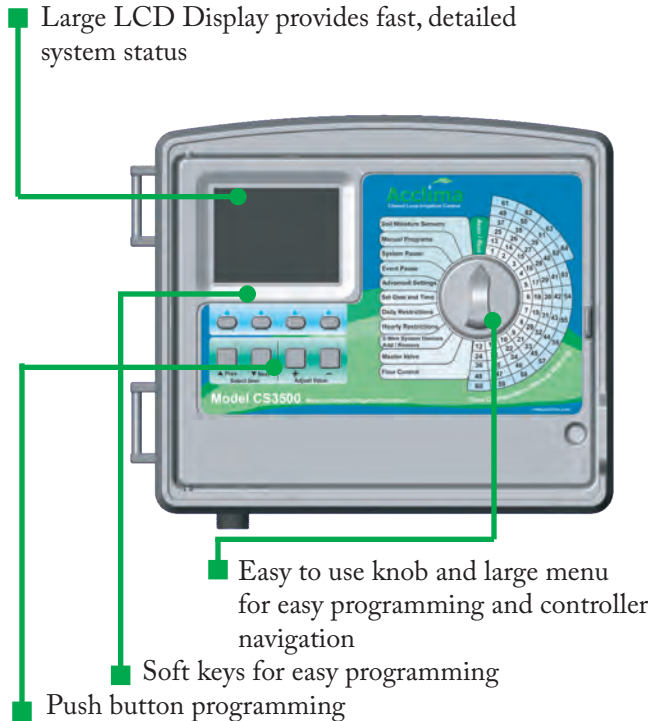
The CS3500 has the ability to set, maintain and monitor any desired moisture level. Once moisture levels are set, the controller self corrects for changes in soil conditions. During the hottest part of the year, the controller might water every day. Then when the temperature cools, or rainfall occurs, the controller prevents zones from watering until the moisture level in the ground falls below the moisture level you have set. With sensors determining when to water the controller has more time to water those zones in need of water and delaying those that do not. Multiple zones can be watered simultaneously and Acclima's flow control optimizes the water use.

Features:

- Optional sensor-mode operation saves water and adjusts to weather patterns
- Sophisticated central control capabilities using Acclima Irrigation Manager[™] Software
- Advanced communications capabilities through serial cable, dial-in modem, Acclima Access[™] voice/cell phone, or radio communications
- 2-wire system flexibility and ease
- Water on Demand efficiently irrigates only when the soil needs moisture and will only apply the water needed
- Flow meter support monitors for broken pipes
- Multi-zone watering may be configured to prevent loss of water pressure
- Cycle + Soak feature prevents runoff by putting down the water in short bursts
- Programmable valve delay allows slow-closing valves time to turn off completely
- Water restriction setup for each zone if needed
- Valve test mode rapidly checks the valve current of all zones
- Walk-around test mode operates each zone for a programmable amount of time
- Flexible, programmable manual programs
- Pause mode suspends controller operation
- Sophisticated restriction capabilities allowing for complex water schedules
- Zone status reporting lists history of errors that may have occurred on the system
- Operational status report
- Adaptable to the TRC Commander radio through a separate adapter
- Clock settings can be maintained for up to 10 years without power

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Operating Specifications:

- Six programmable pause events
- Zone run-times can be set from 0 to 18 hours in 1-minute increments
- Supports up to 30 soil moisture sensors with sensor sharing so multiple zones can be controlled by a single sensor
- Soil moisture sensor thresholds can be set from 1% to 99% water content per unit volume
- Multi-zone watering up to 4 zones at a time
- Non-volatile program memory maintains configuration information even if power and batteries fail
- Durable, weather resistant cabinet for outdoor installation
- Large graphic display with intuitive prompting simplifies programming

Electrical Specifications:

- Input: 115 VAC +/- 10%, 60Hz
- Output: 24VAC, 2.0A
- Over-load backup fuse: Slow-blow, self-healing fuse: 2.5 Amps
- Battery Backup:
Uses 1 CR2032 battery to power internal clock.
- Battery life is approximately 10 years of continuous operation without power.
- Load Capacity per terminal:
0.6 Amps max continuous load (2 solenoids/valves/relays per terminal max)
- Electrical Surge Protection:
Input: Transient voltage Suppressor (TVS)
Common Wires, Signal Ground: 5000 Amp Gas Discharge Tube to Earth Ground
Earth Ground Terminal: Up to #6 copper wire for diverting electrical surges to a ground rod

Wiring Guide Maximum Distance from Controller in feet:

Wire Size	1 Valve Activated	2 Valves Activated	3 Valves Activated	4 Valves Activated	5 Valves Activated
14 Ga.	3,300	1,650	1,100	800	650
12 Ga.	4,000	2,600	1,750	1,300	1,050
10 Ga.	4,000	4,000	2,750	2,050	1,650

Physical Specifications:

Width: 12 1/4" (31.0 cm) Model#
 Height: 10" (26.0 cm) ACC-SYS-3500
 Depth: 5 7/8" (5.0 cm)