

The power of Digital TDT® Moisture sensors integrated with SC series controllers redefines water conservation and precision irrigation forever.



The SC24 and SC36 controllers incorporate cutting edge moisture sensing technology to prevent over-watering. The SC series employs Acclima Digital TDT® moisture sensors with many easy-to-use features for optimum irrigation efficiency.

The controller operates based on soil moisture measured by Acclima Digital TDT® moisture sensors. Programs are set similar to traditional timers: however, the sC Series only waters if the plants need it. Each zone can be set to one of two modes of operation” as a **sensor controlled zone**, or as a **timed zone**. The SC24/36 easily accommodates both drip zones and spray zones.

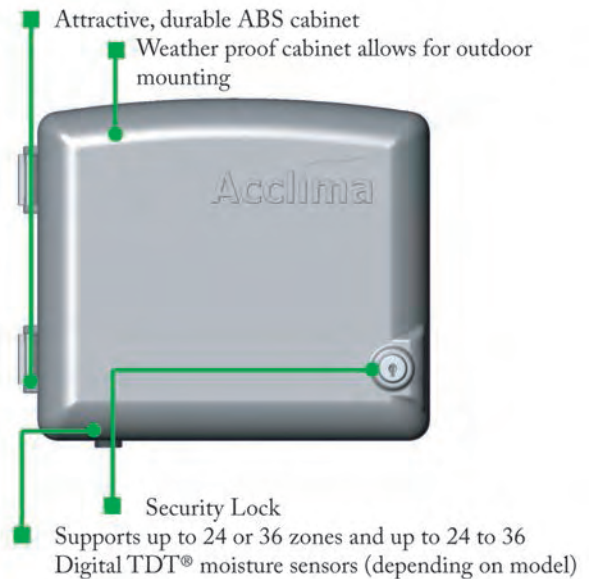
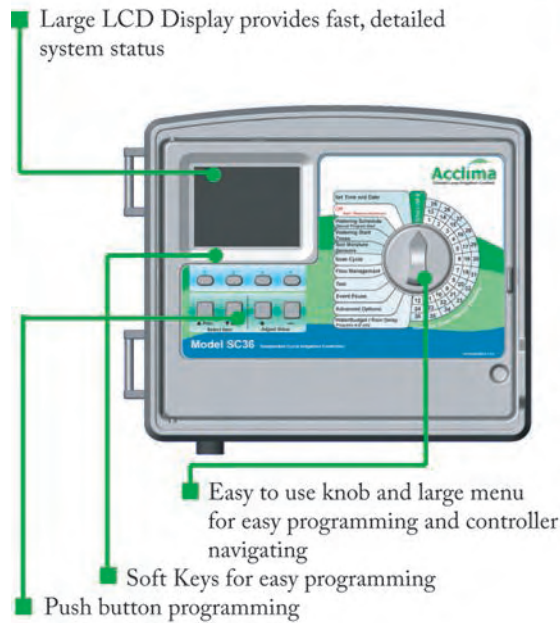
The SC24/36 has the ability to set, maintain and monitor and desired moisture level. During the hottest part of the year the controller may irrigate daily. Then when the temperature cools, or in the event of a rainstorm, the controller prevents zones from watering until the moisture level in the ground falls below the preset moisture threshold. Multiple zones can water simultaneously as Acclima’s flow control optimizes the use of the system’s water source.

## Features:

- Sensor-mode operation automatically adjusts to weather conditions to save water
- Non-volatile program memory maintains configuration information even if power and batteries fail
- Easy installation of sensors using existing valve wires
- Conventional wiring of valves. (One wire per valve + common)
- Supports 0 to 24/36 soil moisture sensors with sensor sharing, so multiple zones can be controlled by a single sensor
- Watering day schedules include Custom, Every Day, Odd Day, Even Day, and Every n<sup>th</sup> day watering; where n may range from 2 to 31 days)
- Zone stacking ensures all zones will eventually irrigate though start times may overlap
- Soil moisture sensor thresholds can be set from 1% to 99% water content per unit volume
- Programmable valve delay allows slow-closing valves time to turn off completely
- Valve test mode rapidly checks the valve current of all zones
- Cycle & Soak Feature prevents runoff by putting down water in short bursts
- Programmable pauses (up to 6) for calendar events
- Multiple zone watering (1-4) simultaneously
- Seasonal water budget for timed zones
- Optional flow meter interface available

**Model Number: 24 Zones, ACC-CON-SC24**  
**36 Zones, ACC-CON-SC36**

**Acclima**  
 Closed Loop Irrigation Systems



## Operating Specifications:

- Six programmable pause events
- Calendar/Clock compensates for leap years
- Four independent timed programs with six start times each. Start time resolution of one minute.
- Each soil moisture sensor added to the system also adds a sensor program to the system with six start times each. (Up to 40 programs possible in total)
- Supports ran/wind/freeze sensor inputs
- Flow meter support monitors water use and pipe condition
- Multi-zone watering of up to four zones simultaneously
- Walk around test mode operates each zone for a programmed amount of time
- Pause mode suspends controller operation
- Optional recover watering after power failure
- Water budget available for timer programs
- Programmable rain delay for 0-14 days for timer programs
- Zone runtime settings in 1-minute increments from 0-18 hours
- Manual zone and program starts
- Master valve terminal always operates for each zone
- Separate pump start terminal is programmable by zone
- Adaptable to the TRC Commander radio, and EICON radio through a separate DCI adaptor

## Electrical Specifications:

- Input: 115VAC +/-10% 60Hz Output: 24VAC, 2.0A
- Over-current detector automatically detects loads exceeding 2.1 Amps RMS
- Battery Backup uses two AA Alkaline batteries to power the internal clock. Battery life is approximately two months of continuous operation without power. Battery failure affects the internal clock only, other configuration information is non-volatile
- Electrical surge Protection:
  - ◆ Input: Three level Transient Voltage Suppressor plus GDT
  - ◆ Common wires: Three level 5000A GDT to earth ground
  - ◆ Each Terminal: GDT
  - ◆ Earth Ground Terminal: Up to #6 copper wire for diverting electrical surges to a ground rod

## Physical Specifications:

Width: 12 1/4" (31.0cm)  
 Height: 10" (25.4cm)  
 Depth: 5 7/8" (14.9cm)