SC Series Controller User Manual

ACC-SYS-0006

ACC-SYS-0012

Acclima

Closed Loop Irrigation Systems

Table of Contents

HAVE A QUESTION, PROBLEM, OR COMMENT?
Our toll-free Technical Service phone number is 866-887-1470

Introduction

Congratulations on purchasing the Acclima SC6/12 soil moisture sensor controller. This manual describes how to install, program, and operate your controller. Please read all instructions carefully.

Closed Loop Irrigation®

The SC6/12 differs from any irrigation controller you have previously experienced. Unlike common timers that run on a clock or weather data, the SC6/12 runs on the moisture in the soil. Direct feedback from the soil to the controller creates Closed Loop Irrigation®.

Suspended Cycle® Irrigation Control

Closed Loop Irrigation® has revolutionized automatic irrigation and created a new, unique type of controller. Setup is similar to timers, you set up watering start and run times; however, the SC6/12 checks your soil moisture level before watering to make sure the turf needs water. If the soil moisture is below the threshold the controller will water; if the soil moisture is above the threshold the soil has enough water and the controller will wait until the next watering time. This type of irrigation is known as SUSPENDED CYCLE® IRRIGATION CONTROL, where the irrigation cycle is suspended until the moisture level in the soil is low.

Moisture Sensor

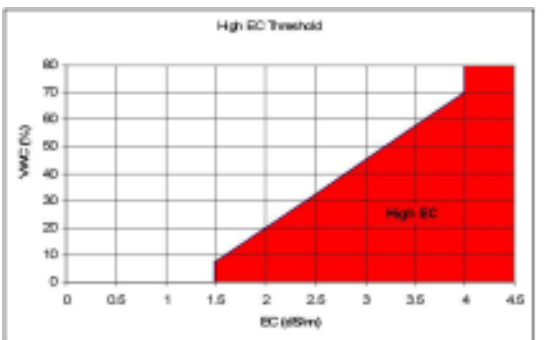
Your SC6/12 Controller includes one Digital TDT® Moisture Sensor and can accommodate up to 6/12 sensors. The moisture sensor will measure the following three characteristics from the soil:

Reading	Description
Soil Moisture	Displayed as a percentage by volume, ranging from 1-99%
Soil Temperature	Displays the soil temperature around the sensor displayed in degrees Fahrenheit

Electrical Conductivity (EC)

High Soil EC

The sensor measures the electrical conductivity, or salinity of the soil. If the EC gets too high, due to fertilizers, nitrates, salts, etc., your turf will stress. The SC6/12 will prompt you of High Soil EC levels indicating a need to purge the soil. To purge, flush the soil with a manual program typically 2-3 times your normal watering duration.



Sensor Site Selection

Before you begin, review your irrigation zones and classify your zones according to the following microclimates: Full Sun, Part Sun, or Full Shade. If you are installing only one sensor, place it in a full sun microclimate. If you have other zones with different microclimates choose one of the following options:

1. Install a separate sensor (recommended)
2. Set the shady areas to water with the full sun microclimate zone but will a shorter run time.
3. Set the shady zones to run as timed programs (B,C).

After you have determined that a given zone will have a sensor select a location within that zone to install the sensor. Be sure you have a direct wiring route from the sensor, to the nearest valve box. Use the following guidelines to select the sensor location:

a. For full sun microclimates ensure the sensor is in the sun for the full day (no tree or building shadow crosses the sensor).
b. Install the sensor several feet away from driveways, sidewalks and other hard surfaces that will drain onto the sensor.
c. Avoid low areas and areas of poor drainage.
d. Avoid areas of high foot traffic, worn out, or unhealthy lawn. Choose an area where turf growth his healthy and roots are well established.
e. Keep away from large tree roots and from young trees that will eventually grow over the sensor area.
f. Avoid installing the sensor within 3 feet of a sprinkler head. Ensure the sensor will receive a watering pattern representative of the entire zone.
g. Be sure the sensor is not watered by another zone.
h. Do not install sensors at the bottom of a hill. When installing sensors on a hillside, place them 1/3 of the distance from the top of the hill.

Before you Begin

Before you begin sensor installation be sure the lawn has been recently watered to ensure a fast recovery. The sensor will eventually be connected to a valve box. Locate the valve box nearest the sensor and ensure you have a clear path from the sensor to the valve box.

The sensor is supplied with wire; however, if longer wire is needed you will need to provide wire and splice box to complete the senor installation. We recommend using 16 gauge direct burial sprinkler wire and water-proof connectors at all sensor wiring connections. As the wires convey data from the sensor to the controller, the connection must be secure.

NOTE: You will connect the sensor to a valve in the valve box. **You can connect the sensor to any valve in the box; however, we recommended connecting the sensor to the valve that controls the zone the sensor is buried in. Before you install sensors place the controller in OFF Mode by holding the power button for 2 seconds. After installation, turn the controller ON, it will detect the sensors and prepare them for use.**

Sensor Installation

Burying the sensor

Step 1 - With a sharp shovel (preferably a flat shovel) cut 3 sides of a 12 by 12 inch square into the lawn 4-6 inches deep. Work your shovel under the cut sides of the square and roll the sod over on the uncut side.

Step 2 - Smooth out the bottom of the hole and press the sensor firmly into the soil. Place an inch of loose soil over the sensor and press it into the sensor rods so that it is compacted to about the same extent as the surrounding soil. Be certain there are no air pockets around the sensor rods. Bury the sensor 4 inches or less.

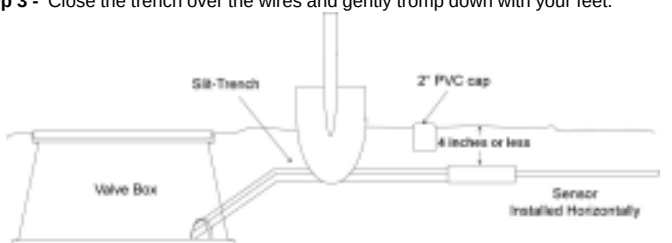
Step 3 - Bring the sensor wires out of the side of the hole and replace the sod back over the hole. Seal up the perimeter of the hole with your fists or feet and compact the sod back into the hole by gently tromping it.

Burying the sensor wires in a slit-trench

Step 1 - Using a shovel, dig a slit trench from the sensor to the nearest valve box for the sensor wires. Be sure the trench is deep enough to avoid aerators.

Step 2 - Push the sensor wires into the bottom of the trench with your hands. At the valve box either run the wires under the box or drill a hole in the side of the valve box to insert the wires.

Step 3 - Close the trench over the wires and gently tromp down with your feet.



It is wise to mark the sensor installation spot. A 2" PVC pipe cap, stomped into the grass near, but not on top of, the sensor or some other clever marker that is easy to find and will not rot away.

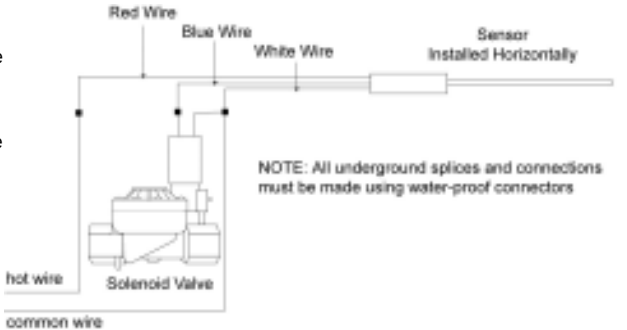
Connecting the Sensor

Before connecting any wiring place the controller in OFF mode by holding the power button for 2 seconds. Each valve has two wires. You will use these two wires and the three from the sensor to make three connections. Use only direct burial or other water-proof connectors to make these connections.

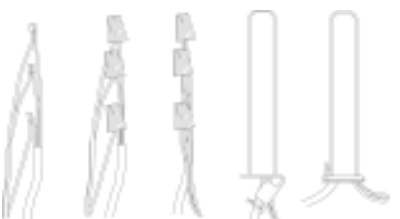
Step 1 - Connect the white sensor wire to the valve common wire. This connection will have three wires: the white sensor wire, the common wire, and a valve wire.

Step 2 - Connect the valve hot wire to the red sensor wire.

Step 3 - Connect the blue sensor wire to the remaining valve wire.



Making an underground connection using the supplied DBY connectors.



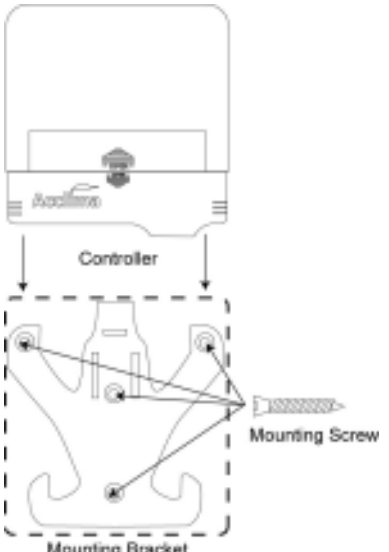
After installation of all sensors turn the controller ON, it will detect the sensors and prepare them for use.

Controller Installation

Mounting the Controller

Find a location within **4 feet of a wall outlet**. Place the controller mounting plate on the wall as shown making sure the plate is level. Using the provided mounting screws fasten the plate to the wall. Slide the controller onto the mounting plate as shown.

To remove the controller from the mounting bracket push on the small tab located at the top of the mounting bracket and slide the controller up.



Installing Battery & Transformer

Caution! To avoid electric shock, connect the 24 volt AC wall transformer to the controller power terminals before you plug it into the wall socket.

Connect the 2 transformer wires to the terminals labeled 24VAC. Connect either wire to either terminal; polarity of these wires is not important. Insert the wires into the terminals then tighten with a small flat-blade screw driver.

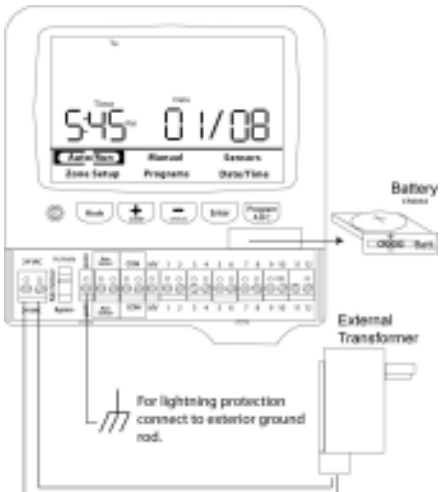
Connect the EARTH terminal to an outside ground rod.

The SC6/12 controller is factory-supplied with a 3-Volt lithium coin cell backup battery in the battery drawer. This battery is designed to maintain the internal clock for several years without power. If the battery needs replacing the low battery indicator will appear. All program information is not effected by a power outage.

To change the battery, remove the battery drawer, replace battery, then insert the battery drawer into the SC6/12.

Low Battery Indicator Low Batt

The SC6/12 will prompt you when you need to change the internal clock battery with a low battery indicator. The controller requires a CR2032 coin-cell battery.



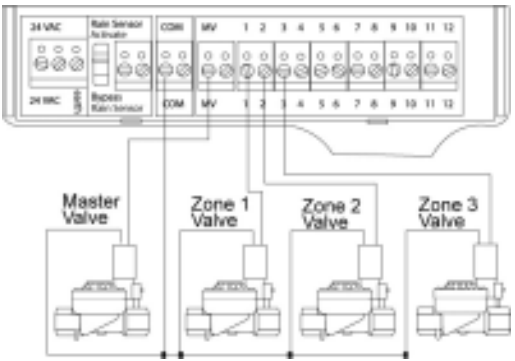
Zone Valve Wiring

Before changing any wiring place the controller in OFF mode by holding the power button for 2 seconds.

Solenoid Valve Wiring

Connect each valve by its own separate power wire to one of a numbered terminals on the SC6/12 as shown.

Connect the common wire to one of the leads on each solenoid valve. Connect the other end of the common wire to the COM terminal on the controller. Wire used to connect the valves must comply with local building codes for underground installation.



Master Valve Wiring

Complete this section only if your system requires a master valve (an automatic valve installed on the mainline pipe upstream from the station valves). Connect the Master Valve wiring to the MV terminal and COM terminal as shown in the illustration.

Rain Sensor

The SC6/12 controller allows for the use of a rain sensor. When the rain sensors is activated all watering will cease until the rain sensors turns off. While the rain sensor is activated the controller displays the rain sensor indicator. The sensor has a bypass switch to activate or by pass the rain switch.

Using the Controller

Buttons and Display

The programming controls on the face of your SC6/12 include:

1. **LCD Display -** during normal operation displays the day, time of day, and date. Used to program the controller and read the moisture sensors.
2. **Power Button -** hold for 2 seconds to turn the controller on and off.
3. **Mode Button - C**ycles through the controller modes.
4. **+ / Clear Button - I**ncreases displayed values. In Auto Mode, clear errors
5. **- / Cancel Button -** Decrease displayed values. In Auto Mode cancel the current activity
6. **Enter Button - Selects** and moves between fields In Auto Mode view watering history, or pause the controller
7. **Program Button -** Changes between programs

Mode Overview

All controller programming and operating features are accessed from a simple 5-button panel. A large crystal display provides guidance and status. Pressing the Mode Button cycles through the modes.

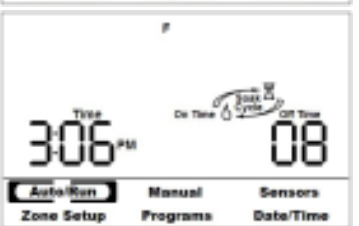
Function	Description
On/Off	Push and hold the Power Button for 2 seconds to turn the controller off or on. When the controller is off no watering will take place.
Auto/Run	The Auto/Run mode is the normal operating mode of the controller. In this mode you can access the previous watering history and pause the system by pressing the Enter button. The controller will automatically revert to the Aut0/Run screen if inactive for 5 minutes.
Manual	The Manual mode allows you to water zones manually. You can select to either run one zone or all zones one at a time. Just select the zone and enter the run time. After the manual watering is finished the controller will resume automatic operation.
Sensors	This Sensor's mode is used to view sensor readings and change sensor threshold settings.
Zone Setup	This mode allows you to edit each zone's run times. You can also select which programs the zone will use and which sensor controls the zone.
Programs	The controller irrigates according to programs. The three programs are available for editing in this mode. Remember, Program A is for sensor use only, while Programs B and C can be used for timed watering. Program A will only run each zone if the soil moisture level is below the set threshold.
Date/Time	This mode is used to set the date, clock, and temperature preferences. You can choose to have the temperature displayed in degrees Fahrenheit.

Auto/Run

The Auto/Run mode is displayed when the controller is running. When the controller is idle (not watering) the time, day of the week, and date are displayed.

The controller will automatically revert to the Auto/Run mode if the controller is left idle for more than 5 minutes.

When the controller is watering the zone watering is displayed as well as a count down of the run time.



When a zone is soaking and no other watering activity is pending the controller will display the current time and a count down of the soaking time.

When in Auto/Run the following functions can be performed.
CANCEL: Press the CANCEL button to cancel controller activity. Activity will cancel in this order: manual watering, pause, and automatic watering.
CLEAR: Press the CLEAR button to clear all zone or sensor errors.
ENTER: Press ENTER once to view watering history, Press ENTER twice to pause the controller.

Manual Operation

To operate the controller manually press the Mode button to the manual mode. There are three types of manual operations: test, program, and zone. Press +/- to cycle between them.

Test

Use this program to run every zone for a specific duration. Use the + or - buttons to make your selections then press Enter.
You can skip ahead or return to different zones by pressing the + and - buttons.

During a manual cycle the controller displays a countdown.

Program

Use this to run an entire program. Press the + or - buttons to select the program then press Enter.

Zone

Use this program to run just one zone for a specific duration. Use the + or - buttons to make your selections then press Enter.

To cancel enter the Auto/Run mode screen and press CANCEL to stop all manual programs.

History / Pause

History

The controller will display the watering activity of the last 6 days and the current day. The displayed days of the week indicate watering occurred on that day.

Step 1 - Press the Enter button in the Auto/Run screen to access the history.

Step 2 - Press the + or - buttons to cycle through each zone's history.

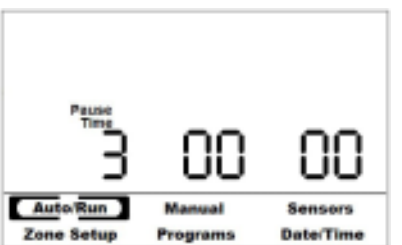
Pause Controller

You can pause the controller from 1 to 96 hours (four days). This is helpful to turn off the controller without having to remember to turn it back on.

Step 1 - Press Enter twice while in the Auto/Run screen.

Step 2 - Press the + or - button to set the number of hours to pause irrigation. Then press enter. The controller will display the pause count down.

To cancel the pause enter the Auto/Run screen and press the -/ cancel button.



Zone Errors

The SC6/12 is a sophisticated controller that will diagnose systems errors for you. The errors are reported on the Auto/Run screen. There are two types of reported errors:

Zone Errors

- The zone number is displayed indicating one of the following problems:
  - A faulty or damaged solenoid valve resulting is excessively high or low current
  - A solenoid short circuit
  - A solenoid open circuit of broken wire (only reported if the zone has a valid run time)

Sensor Errors

- The sensor number is displayed indicating one of the following problems:
  - No communication between the controller and the sensor
  - A faulty or damaged sensor

Clear Errors

To clear the errors press the +/Clear button while in the Auto/Run screen. The controller will automatically clear the errors when the problem is corrected. Any successful operation that shows that the error no longer applies will also clear the error.

Programming the Controller

Before you program the controller make sure all the wiring to the valves, master valve (optional), and rain detector (optional), is complete. The first time you turn on your controller it will automatically check your system to identify installed sensors, valves, and other accessories.

Programming the SC6/12 is very easy, the controller is equipped with a preset schedule. Pick the schedule that best fits your yard and the controller will automatically setup all zones for that schedule. You can then edit the schedule to your personal preference.

The SC6/12 accommodates three programs A, B, and C.

Programs	Type	Start Times
Program A	Sensors Only	up to 6
Program B	Timer	up to 6
Program C	Timer	up to 6

Preset Schedule

When the controller turns on, it will scan for sensors and valves. *(If you add or remove sensors you must turn the controller off, and then on again for it to automatically scan and update its configuration)* The selected preset schedule will be applied to any valves and sensors that have been located.

While the controller is OFF press the Mode button. Press the + or - button to select the appropriate present schedule, then press Enter. You may now turn on the controller by holding power for 2 seconds.

Preset Schedule	Start Time 1	Start Time 2	Start Time 3	Start Time 4	Program A sensors	Program B	Program C
1 (Sod)	7:00 AM	11:00 AM	2:00 PM	5:00 PM	off	everyday 5 min	off
2 (Seed)	7:00 AM				off	everyday 70 min: soak 5 on 60 off	off
3 (Pop-ups)	12:00 AM				every other day	everyday 10 min	off
4 (Rotors)	12:00 AM				every other day	everyday 45 min	off
E*	*Resets the controller to factory setting*						

*Preset Schedule E is used to reset the controller to factory settings. All stored information will be erased: settings, zones, sensors, etc. To reinstall the sensors turn the controller off, then back on again.

Set the Date/Time

Step 1 - Press the Mode button to select the Date/Time mode. Use the Enter Button to move between the fields and use the + and – Buttons to adjust the settings.

Step 2 - Set the time first, then the day of the week.

Step 3 - Press the Enter Button again to set the date. The date is displayed MM/DD/YY

Step 4 - Press the Mode button when finished.

NOTE: The SC6/12 has a battery backup for the internal clock only. All program information is stored in non-volatile memory. The battery is designed to maintain the internal clock for up to 10 years with normal power failures.

Setting Programs (Start Times)

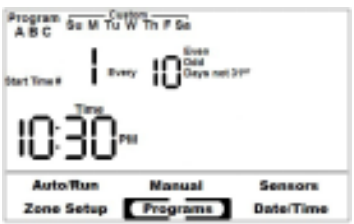
Programs or start times allow multiple zones to function together. You can choose between three programs A,B, and C. Program A is reserved for sensor zones only. After you have created your programs you will assign each zone to a program. There are 4 program types and 1 custom setting: Even, Odd, Odd-31, Every N Days, and Custom.

Program	Description
Even:	Even Days, will water only on even numbered calendar days.
Odd:	Odd Days, will water only on odd numbered calendar days.
Odd -Not 31st :	In some regions of the country when you water on Odd days you cannot water on the 31st of the month. This program allows your system to water on odd calendar days but will not water on the 31st of the month.
Every N Days:	This program allows watering every N days, where N can be from 1 to 30 days between each watering.
Custom:	Use this setting to choose which days of the week you wish to water.

Step 1. Select Program Mode: The current program selected will flash. Press the Programs button to cycle between the three programs.

Step 2. Select the Program: All the available programs will be shown, and the current program will flash.

Step 3. (For every N days): The number of days will flash. Press + or - to change the number (1 to 30). Press Enter to accept and move to the next step.



Step 4. Enter Start Time: The Start Time will flash. The time is editable in 15 minutes increments. Disable or (-:--) appears between 11:45 PM and 12:00 AM. Use the + and – Buttons to change the start time. Press enter to move to the next start time. There will be 6 start times (1-6) for each program.

Setting Zones (Run Times)

You can customize each zone to meet your individual need. You will assign each zone to a program, set the run time duration, designate the zone type as time or sensor, assign the zone to a sensor, and specify a soak cycle (optional).

Step 1. Select Zone: (Zone # flashing) While selecting the zone, all information about that zone is visible from the first active program. If no programs contain runtimes, then program A will be visible.

Step 2. Select Zone Type: The Sensor or timer icon flashes. Press + or - to change the zone type. Sensor zones will only run in program A. If you designate the zone a "sensor zone" you will next need to assign the zone to a sensor.

Step 3. Select Program: This step does not apply to sensor zones. If the zone type is set to sensor, then all run times for programs B and C are deleted and program A is selected automatically. For timer zones, the user will enter run times for Programs B or C. If the timed zone needs to run in multiple programs, then entire setup routine for that zone must to be repeated for each program.

Step 4. Edit Run Time: The run time flashes. Press + or - to adjust. Hold the + or - button to accelerate.

Step 5. Edit Soak Cycle: Press + or - to adjust the on and off time if a soak cycle is desired.

Soak Cycle

Soak Cycles

A soak cycle is used for zones on hills or slopes where water has a tendency to run off. A soak cycle consists of an on and off time. The on time is a maximum watering duration and the off time is a minimum soak duration. The zone will water then soak, water and soak for each soak cycle setting until the zone's run time is completed; allowing the water applied to gradually soak into the soil instead of running off.

NOTE: Soak on/off times may not be followed precisely. The on time is a maximum duration and the soak time is a minimum duration. While a zone is soaking other zones pending water will begin their water cycle, following which

the controller will return to the previously soaking zone.

Soak Cycle Example:

Zone runtime = 19 minutes, Soak Cycle is set for On Time 5 minutes, Off Time 5 minutes
The controller will water as follows:

Function	Time							Total
Zone On (watering)	5 min		5 min		5 min		4 min	19 min
Zone Off (soaking)		5 min		5 min		5 min		15 min
Elapsed Time	5 min	10 min	15 min	20 min	25 min	30 min	35 min	34 min

The controller watered 19 minutes, the total duration was 34 minutes.

Each zone has only 1 soak cycle which will be applied to ALL automatic watering.

Sensor Threshold

There are many different soils types, each with a unique capacity to retain water. The SC6/12 will automatically determine your soil's unique moisture capacity known as "field capacity." The proper moisture threshold is ¾ of your soil's field capacity. To determine your soil's field capacity, you must flood the soil around the sensor.

You can change the moisture threshold of the sensors from the sensor mode. The sensor number will refer to the zone number the sensor is connected to at the valve box. The current soil temperature, and soil moisture will be displayed.

Step 1 - Press +/- to select sensor. As each sensor is selected, the controller will take a current moisture and temperature reading from that sensor and display it. This may take 2 or 3 seconds.

Step 2 - Press Enter to lock in the sensor selection and edit the sensor threshold.

Step 3 - Press the +/- buttons to edit the sensor threshold.

Automatic Threshold Setting Setting Sensor Threshold

The SC6/12 controller will automatically set your sensor threshold based on your unique soil type. You must first soak the sensor area to saturation with a bucket of water or hose near sundown. The controller will determine the proper threshold during the night. You can adjust the threshold manually at any time. Once the sensors are installed flood the sensor's areas with a hose or a bucket of water to bring the soil around the sensor to saturation capacity. You want the soil to become saturated with water and then naturally drain to field capacity. Do this near sundown where the sun will not affect the natural draining of the soil. ***Press the + and - buttons simultaneously in the sensor mode to activate the automatic sensor setup.***

The Setting Sensor Threshold indicator will be displayed while the controller is determining the threshold. To cancel the action press the + and - buttons simultaneously. Early the next morning the SC6/12 will determine your soil's field capacity and set-up the sensor threshold accordingly.

NOTE: Do not allow the sensor zones to water in timed mode during the night while the controller is automatically setting the threshold. Set the zone to sensor mode or set the run/start time to OFF. You always have the option to edit the sensor's moisture threshold or automatically set it at anytime. Repeat process for each sensor on your system.

Service and Warranty

Troubleshooing

Symptom	Cause	Correction
The display is blank	No power to the controller	Check the 24VAC connection Make sure the transformer is plugged in
The zone will not water	Faulty wiring	Check all wiring and connections to the valve
	Bad solenoid valve	Replace the solenoid valve
	Clock time is off	Check to make sure the clock is set correctly, and check the program's start and run time.
	Rain bypass switch is activated	Check the rain switch, if activated and a rain sensor is not installed the controller will not be watering. If you have a rain sensor it may be defective.
The controller cannot find the sensor	Bad sensor connection	Check the sensor connection for correct wiring
	Faulty sensor	Replace the sensor

Limited Product Warranty

Your controller is warranted for ONE YEAR from date of purchase to be free of defective materials and workmanship provided it is used within the working specifications for which the product was designed and under normal use and service. Unless installed by an authorized Acclima trained technician, Acclima assumes no responsibility for installation. Acclima also assumes no responsibility for removal or unauthorized repair. Acclima's liability under this warranty is limited solely to replacement or repair of defective parts, and Acclima will not be liable for any crop or other consequential damages resulting from any defects in design or breach of warranty. **THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES** and of all other obligations or liabilities of manufacturer. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of warranty, nor to make representations or warranty not contained herein.

Should you have any claim under this warranty, please contact Acclima's warranty desk by calling 1-208-887-1470 for prompt assistance.

Technical Specifications

SC6/12 Controller

Power Supply	Controller	110 volts AC at 12 watts (wall transformer)
	Internal Clock	CR2032 3 volt lithium coil cell battery
Picture Display	LCD 3.6"x2.2"	
Memory	Non Volitile Program Memory	
Operating Temperature	32° F to 122° F (0C to 50C)	
Survival Temperature	5° F to 158° F (-15C to 70C)	
Dimensions	Width	5 1/4" (133.35 cm)
	Height	5 1/2" (139.7 cm)
	Depth	1 3/8" (35.05 cm)
Zone Capcity	6 or 12 (depending on model)	
Programs	Sensor Programs	1 (A)
	Timer Programs	2 (B,C)
	Start Times per Program	6

Digital TDT® Moisture Sensor

Power Consumption	24 volts AC	
Operating Temperature	-40° F to 158° F (-40C to 70C)	
Survival Temperature	-40° F to 185° F (-40C to 85C)	
Temperature Reading	Accuracy	±1% 1C to 40C
	Range	-30C to 50C
	Resolution	0.0625C
	Temperature Stability	±1% 1C to 40C

Soil Permittivity Reading	Accuracy	±1% of full scale 1 to 80 relative 0 to 5 dS/m EC 1 to 50C
	Soil moisture derived from Permittivity using Topp Equation	
Soil EC Reading	Accuracy	±0.2 dS/m
	Range	0 to 5 dS/m
	Resolution	0.1 dS/m
Dimensions	Length	8" (20 cm)
	Width	2 1/16" (5.3 cm)
	Height	5/8" (1.5 cm)
Cable	16 gauge 3 strand direct burial 30' (10 meters)	

General Maintenance

- Do not allow your controller to be submersed in water.
- Indoor installation is recommended
- Do not install your controller in the path of direct sprinkler
- Do not expose your controller to grease

The following general maintenance should be performed to ensure proper operation of the SC6/12

Annually	Check your battery Review your controller program settings
Monthly	Check your controller clock to make sure its set correctly Conduct a walk around test of all zones to ensure sprinkler heads are functioning and adjust the spray pattern if needed.

Watering Schedule

Use the following chart to organized your irrigation system.

Sensor	Threshold
1	%
2	%
3	%
4	%
5	%
6	%
7	%
8	%
9	%
10	%
11	%
12	%

Watering Schedule

Program Start Times

PROGRAM A Sensors Only	PROGRAM B	PROGRAM C
M T W T F S S	M T W T F S S	M T W T F S S
○___ day cycle	○___ day cycle	○___ day cycle
= even	= even	= even
= odd	= odd	= odd
= odd + 31st	= odd + 31st	= odd + 31st
1 am/pm	1 am/pm	1 am/pm
2 am/pm	2 am/pm	2 am/pm
3 am/pm	3 am/pm	3 am/pm
4 am/pm	4 am/pm	4 am/pm
5 am/pm	5 am/pm	5 am/pm
6 am/pm	6 am/pm	6 am/pm

ZONE	DESCRIPTION	TRACKS SENSOR#	RUN TIME cycle/soak	RUN TIME cycle/soak	RUN TIME cycle/soak
1			___on___off	___on___off	___on___off
2			___on___off	___on___off	___on___off
3			___on___off	___on___off	___on___off
4			___on___off	___on___off	___on___off
5			___on___off	___on___off	___on___off
6			___on___off	___on___off	___on___off
7			___on___off	___on___off	___on___off
8			___on___off	___on___off	___on___off
9			___on___off	___on___off	___on___off
10			___on___off	___on___off	___on___off
11			___on___off	___on___off	___on___off
12			___on___off	___on___off	___on___off

NOTES:

Acclima
Closed Loop Irrigation Systems
2260 East Commercial Street
Meridian, Idaho 83642

www.acclima.com

call toll free: 866-887-1470 for service

Acclima PRESS
Acclima, Inc.
2260 E Commercial St
Meridian, ID 83642

SC Suspended Cycle System

Closed Loop Irrigation®

SC6/12 Installation and Operation 2/12/2007