



Quick Start Guide



ShareTM 8340

**Irrigation Controller
Quick Start Guide**

For Programming and Setup Instructions Visit:
www.SCS-Share.com

TABLE OF CONTENTS

Installation	3
Connecting the Transformer	3
Low Voltage Wiring	3
Terminal Strip	3
Connecting Master Valve or Pump-Start Relay	3
Connecting Sensors	4
Connecting to the Internet	5
WPS Method	5
Using Signature's Mobile App	6
Creating a User Account	8
Downloading the Mobile App	9
Technical Data	9
LED Table	10
Statement of Conditions	10
Warranty	11
Contact Information	12

INSTALLATION

The 8340 can be mounted indoors or outdoors. Find a location near a 120V wiring source (230/240V for international models). Install the 8340. near eye level if possible.

CONNECTING THE TRANSFORMER

120 VAC in United States, Canada and Mexico; 230 VAC in Europe, and 240 VAC in UK, Middle East, Australia and South Africa.

NOTE: Refer to and follow local codes if different from these instructions.

CAUTION: Disconnect 120V (230/240V) power source before wiring the transformer. Complete all wiring and installation before connecting the transformer to power source. This will avoid accidental shorting which could damage the controller.

Power supply cables and cords used for connections are to be of ordinary duty or greater. Low voltage output cables should be enclosed in conduit affixed to the controller with a suitable adapter. Remove the transformer cover by loosening the two screws. Attach AC wires to transformer wires using wire nuts. Also, ensure earth ground wire is attached to green with yellow stripe ground wire. Please check local codes for the grounding requirements in your area. Bundle wire with cable tie loop and tighten cable tie to prevent loose wiring from touching secondary circuits. The transformer is now wired. Replace the transformer cover and the two screws.

DO NOT turn on power yet.

NOTE: Failure to ground unit properly may cause severe damage to the controller and/or personal property and will void warranty

LOW VOLTAGE WIRING

Low voltage output cables should be enclosed in conduit affixed near the controller. (For field connection, AC wires must have an insulation rated at 75° C minimum). Conduit should be secured near the case (follow local codes). Field wiring is best accomplished with the AC disconnected from the unit.

TERMINAL STRIP

All zone, pump and sensor wire connections made inside the 8340 utilize screw type connectors that require a small screwdriver. The terminal strips in the controller accept 12 AWG (2.1mm) wire or smaller.

(See *Figure 1 on page 4*)

CONNECTING MASTER VALVE OR PUMP-START RELAY

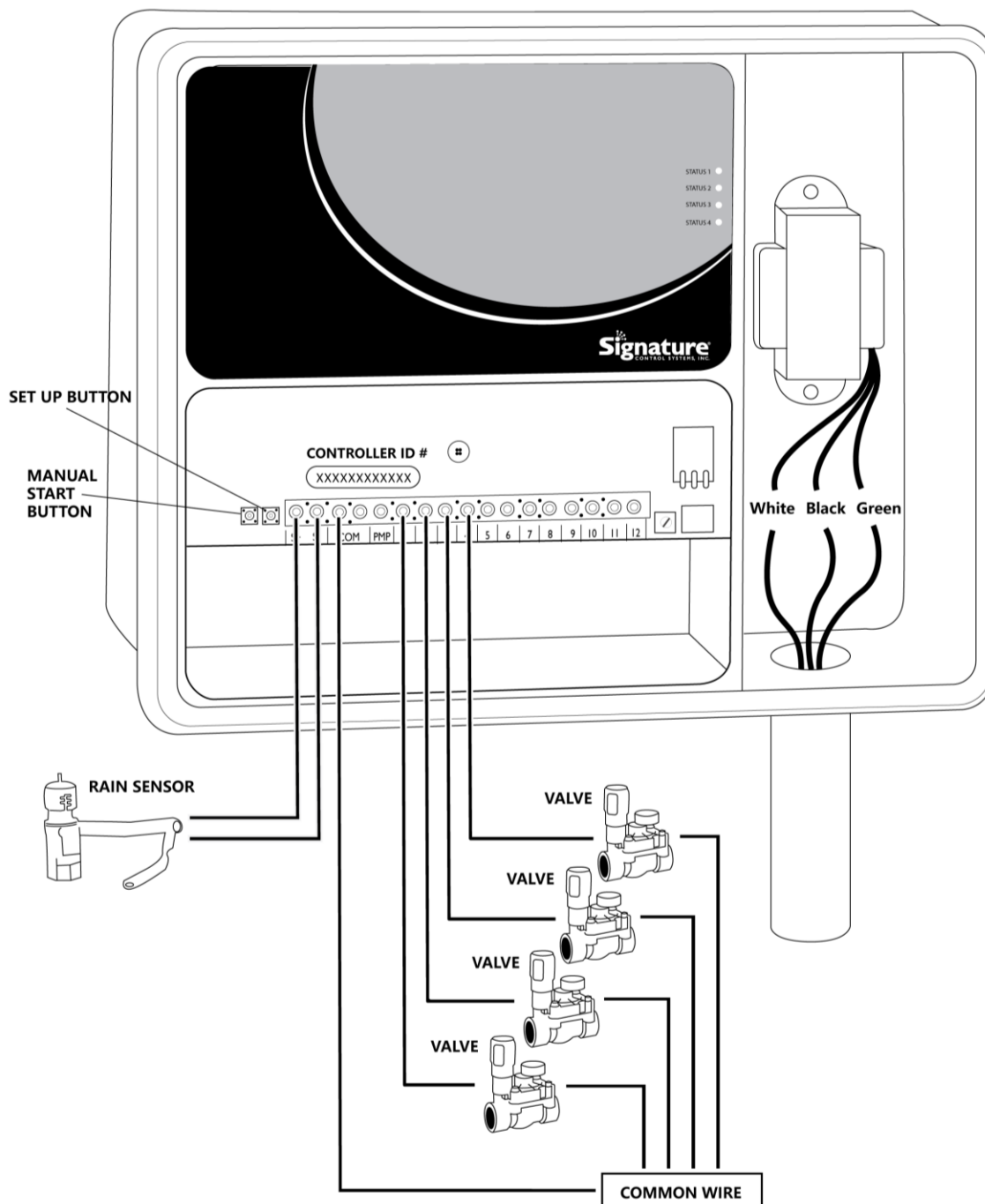
The 8340 is equipped with a shared circuit to operate either a pump-start relay or a master valve. Connect one wire from the pump-start relay to COM (common) on the terminal strip, the other to PMP/MV (pump/master valve) on the terminal strip. Refer to the pump-start relay manufacturer's instructions for specific installation details. (See *Figure 1 on page 4*)

CONNECTING SENSORS

The 8340 is equipped with one sensor port to run a normally open, normally closed, or pulse type flow sensor. The port is user defined via the SCS-Share.com web site. To connect a sensor, connect the sensor wires to the S1 terminals. Refer to the sensor manufacturer's instructions for specific installation details. Define sensor type via SCS-Share. (See *Figure 1*)

NOTE: Manual operations will ignore an activated rain sensor

Figure 1



CONNECTING TO THE INTERNET

The 8340 is equipped with built in Wi-Fi for easy connection to the internet through your home or business' Wi-Fi system.

NOTE: 5GHz Wi-Fi Networks are not supported. If your router is 5GHz capable, please make sure you connect your 8340 to the 2.4GHz Network only.

There are two ways you can pair your controller to your router: Method 1: By pushing the "WPS" button on your router or, Method 2: by using our mobile app to manually enter your router's name and password into the controller. Select the method that is easiest for you.

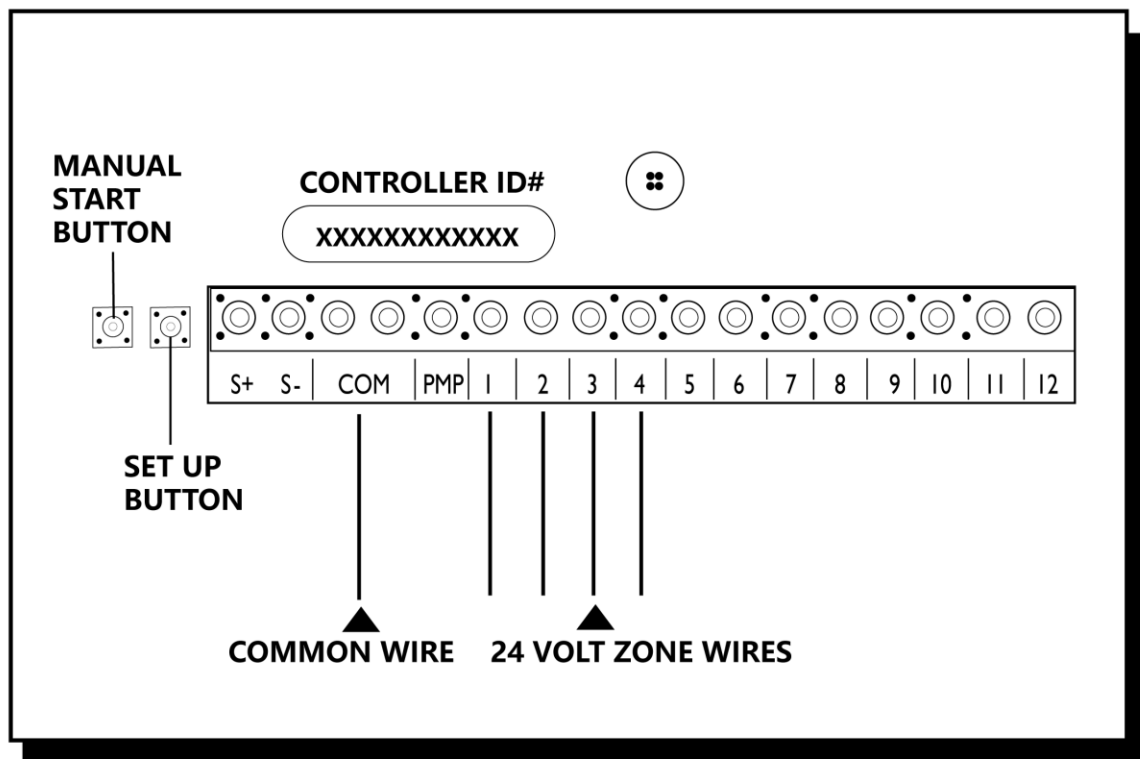
Method 1 (WPS METHOD): Pairing Your Controller to Your Router by Pushing the WPS (Wi-Fi Protected Setup) Button on Your Router

Step 1: Push the "WPS" button on your *router*. Refer to your router's owners' manual for information about where to find this button on your router. The button may have an icon that looks something like one of these:



Step 2: Within 1 minute of pressing the *router's* WPS button, push and hold the "Set Up" and "Manual Start" buttons on your *controller* simultaneously for approximately 5 seconds or until LED 1 remains flashing and all other LEDs are off (See Figure 2).

Figure 2



Step 3: Your controller will automatically establish connection to your router and connect to the internet. You will know the process is complete and the controller is connection online when LED 1 is flashing and LED 2 is solid. This process should take 2 to 3 minutes.

Method 2 (MOBILE APP METHOD): Pairing Your Controller to Your Router Using Our Mobil App

What you will need:

- 1) SCS Mobile App downloaded onto your Apple or Android mobile device*
- 2) Your Router's SSID (Name)
- 3) Your Router's Password

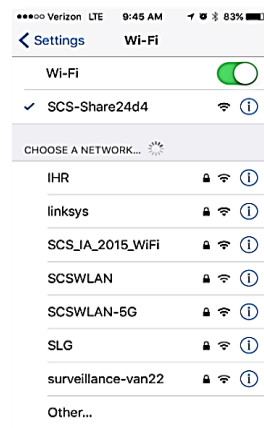
***NOTE:** THE SCS MOBILE APP IS AVAILABLE FOR FREE AT THE IPHONE AND ANDROID STORES. FROM THE APP STORE, SEARCH FOR "SCS SHARE" TO DOWNLOAD THE APP.

Step 1: Press the "Setup" button on the controller's circuit board for 5 seconds or until LED 1 is flashing and all other LEDs are off. Release the button then wait approximately an additional 30 seconds more until LEDs 1, 3 and 4 are flashing and 2 is off before proceeding to the next step off (See Figure 2 on page 6).

Step 2: Go to the "Settings" page of your mobile phone. Select "Wi-Fi" then "CHOOSE A NETWORK."

Your controller should now be visible on the list of networks to connect to. Look for "SCS-ShareXXXX" or "MyController-XXXX, where XXXX is a unique code specific to your controller. If there is no unique code in place of XXXX, continue the setup process anyway. This will not affect your controller's performance or ability to pair your controller to the router.

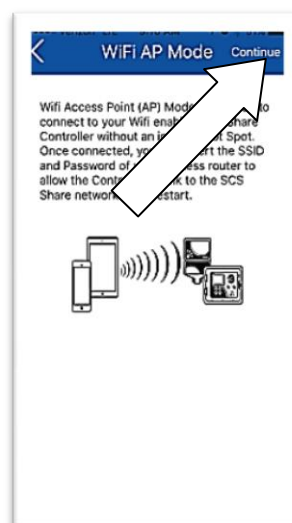
Step 3: Select your controller as the access point you want to connect to then exit out of the "Settings" page of your mobile phone.



Step 4: Open the SCS SHARE app on your mobile phone. At the "log in" page you should now see "WiFi APMode" instead of "Log In." Click on "WiFi APMode" to continue.



Step 5: A welcome screen will be displayed. Click “Continue”.

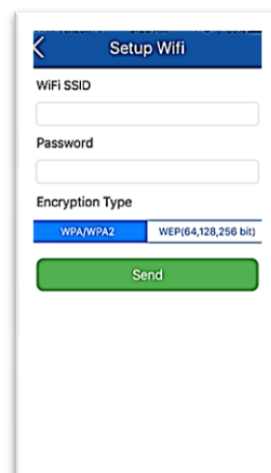


Step 6: Click on “Set WiFi”

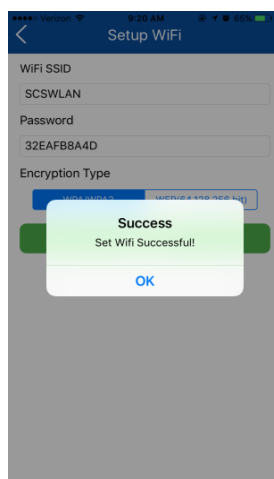


Step 7: Enter your router’s SSID (name) and Password and select the Encryption type. Then press “Send.”

(Note: If you do not know your SSID (Router Name) and Password, return to the previous screen and click “Read WiFi”).



Step 8: You should receive the message, “Success. Set WiFi Successful.” Click OK

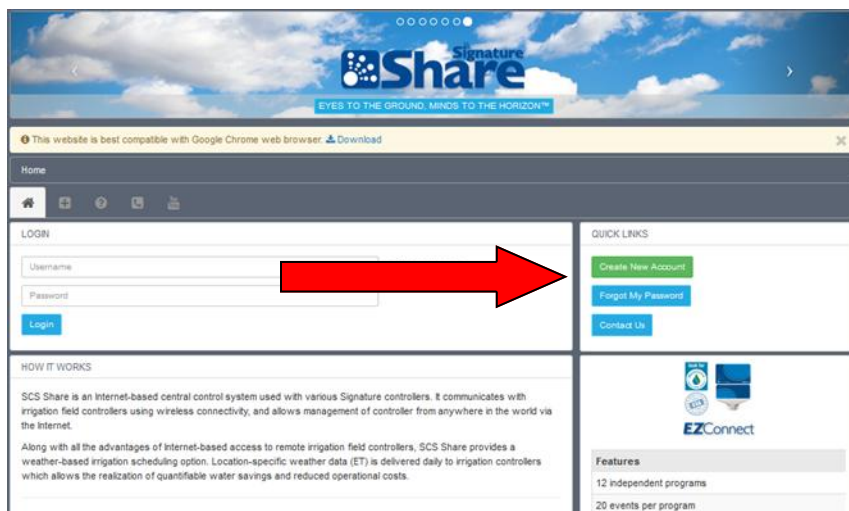


Step 9: Return to your controller and press the SET UP button one more time. Your controller's LEDs will begin flashing in what appears to be a random sequence indicating that your controller is now paired to your router and is attempting to connect to the internet. Once internet connection has been established, LED1 will remain flashing and LED2 will be solid. This process normally take 2 to 3 minutes.

CREATING A USER ACCOUNT

Step 1: Go to www.SCS-Share.com.

Step 2: Click on "Create New Account."

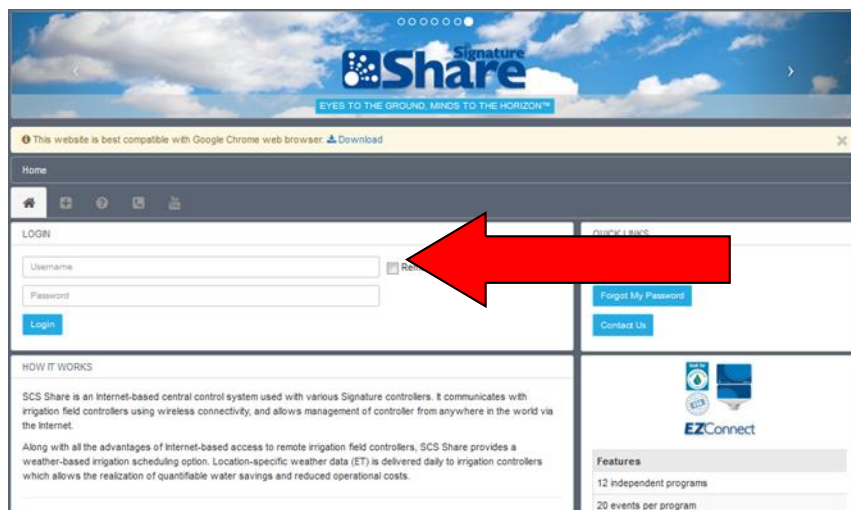


Step 3: Fill out the required information and click "Apply."

Note: Do not enter any spaces in the "Captcha" code.

The image shows the "CREATE NEW ACCOUNT" form. It has a "Home" link in the top right corner. The form fields are: "First Name" (with a red border and "Required" text below it), "Last Name", "Company Name", "Category" (a dropdown menu), "Email Address" (with "username@domain.com" as a placeholder), "Confirm Email Address", "Phone Number", "Username" (with a note "Username can not contain white space"), "Password", and "Confirm Password". Below these fields is a "Captcha" section with a box containing the text "WE B S MNF" and a label "Please enter the text above". At the bottom are "Cancel" and "Apply" buttons. A red arrow points to the "Apply" button.

Step 4: Log into the account you just created using your username and password.



DOWNLOADING THE MOBILE APP

The SCS Mobile App is available for free at the iPhone and Android App Stores. Search for “SCS Share” to find and download the app.

Versions Supported:

iOS: 8.4 or above (iPad and iPhone supported)

Android: 4.4 or above, V 5.0 recommended. (Tablet and smart phone supported)

TECHNICAL DATA

1. *Transformer:* 24 VAC internal transformer; 20 VA, .83A for zones and logic.
2. *Surge Protection:* 600 watts TVS on zone outputs (See Circuit Breaker below).
3. *Sensor Operation:* The is equipped with two normally open, normally closed, or pulse type flow sensor ports. Each sensor port is user defined via the SCS-Share.com web site or the SCS-Share iPhone/Android App.
4. *Solenoid Capacity:* The irrigation controller will operate a maximum of two (2) solenoids concurrently, either one (1) pump/master valve plus one (1) valve solenoid or no pump/master valve and two (2) valve solenoids. Note: the total current cannot exceed approximately 0.6A.

I inrush .52A max
I hold .33A max
5. *Temperature Range:*
Operating: -20° to +55° C (23° to 131° Fahrenheit)
Storage: -30° to +85° C (-22° to 185° Fahrenheit)
6. *Circuit Breaker:* An electronic poly-switch is incorporated on the interconnect PCB of the controller. This type of circuit breaker does not require resetting or replacement by the user. An

internal current monitoring circuit will shut down the active stations in the case of an overload condition.

LED TABLE

LED State	LED 1	LED 2	LED 3	LED 4
Online	Flashing	Solid	Off	Off
Active Station	Off	Off	Solid	Solid
Wi-Fi AP Mode	Flashing	Off	Flashing	Flashing
Firmware Updating	Flashing	Flashing	Flashing	Flashing
Poor Internet Connection	Slow Flash	Slow Flash	Slow Flash	Slow Flash

STATEMENT OF CONDITIONS

In the interest of improving internal design, operational function, and/or reliability, Signature Control Systems, Inc. reserves the right to make changes to the product described in this document without notice. Signature Control Systems, Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canadian Department of Communications Radio Interference Regulations

This digital apparatus (SIGNATURE CONTROL SYSTEMS Model) does not exceed the Class B limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

WARRANTY

SIGNATURE CONTROL SYSTEMS, INC LIMITED WARRANTY AND DISCLAIMER: TURF PRODUCTS

- 1) Signature Control Systems, Inc. ["SCS"] warrants to the owner (the "Buyer") that all new products, as featured in the current Signature Turf Catalog at date of purchase will be free from original defects in materials and workmanship for the time periods described below, provided they are used for approved purposes under manufacturer's recommended specifications.
- 2) This warranty is given expressly and in place of all other expressed or implied warranties of merchantability and fitness for a particular purpose. This is the only warranty made by Signature Control Systems, Inc for Turf products. This warranty gives you specific legal rights and you may have other rights which vary from state to state.
- 3) During the warranty period, SCS will repair or replace, at SCS's sole discretion, any part to be found defective with prior written authorization. Buyers remedy is limited solely to the replacement or repair of the defective parts.
- 4) This warranty does not apply (i) to Acts of God including without limitation, lightning and flooding; or (ii) to products not manufactured by SCS when used in conjunction with SCS products; or (iii) where equipment is used, or installation is performed in any manner contrary to SCS's specifications and instructions, nor where equipment is altered or modified.
- 5) Signature Control Systems, Inc. reserves the right to redesign, alter or modify its products at anytime and does not, and will not, assume any liability with respect to obsolete inventory arising there from.
- 6) Neither SCS nor its affiliates are liable for any indirect, incidental or consequential damages in connection with the use of equipment, including but not limited to: vegetation loss, the cost of substitute equipment or services required during periods of malfunction or resulting non-use, property damage or personal injury resulting from installer's actions, whether negligent or otherwise.
- 7) No agent or representative of SCS, nor of any distributor, retailer, lessor or installer of the system, has any express or implied authority to make any representation, promise, guarantee or warranty not stated here. SCS disclaims any warranty of merchantability or fitness for a particular purpose, or any other warranties that extend beyond those described here.
- 8) Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. All implied warranties, including those of merchantability and fitness for use, are limited to the duration of this express warranty.
- 9) Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
- 10) **STANDARD PRODUCTS LIMITED 1-YEAR WARRANTY:** All SCS products are covered by this warranty for a period of one year from the date of supply except as noted below:
 - a) Signature Turf Gear Drive Rotors, Spray-Heads & Valves: Five (5) years; from original sale date.
 - b) Signature Turf & Satellite Controllers: Two (2) years; from original sale date.
 - c) Repairs & Refurbished Components: Balance of product warranty or three (3) months, from repair date, whichever occurs first, on materials and labor only.
 - d) Brass Quick Coupler Valve Bodies: Five (5) years; from original sale date.
 - e) Solenoid Coils: One (1) year; from original sale date.
- 11) **TECHNICAL ADVICE:** SCS warranties as hereinabove set forth shall not be enlarged, diminished or affected by, and no obligation or liability shall arise or grow out of, SCS rendering of technical advice or service in connection with Buyer's order or the products furnished.

12) QUESTIONS: If you have any questions concerning the warranty or its application, please email your question to info@scsmail.com or write to:

Signature Control Systems, Inc
Turf Division
8800 N. Allen Rd. • Peoria, Illinois 61615
U.S.A.
Attention: Customer Service

13) CLAIMED DEFECTIVE MERCHANDISE POLICY. Products returned to the retailer or distributor and claimed defective must be inspected by an authorized SCS representative to determine warranty compliance. If approval is granted, products will be repaired or replaced, or a credit memorandum covering the net purchase price will be issued.

14) In the event of a defect: If a defect arises in a Signature product or part within the warranty period, you should contact your Signature retailer, distributor, or Signature Control Systems, Inc. at www.signaturecontrolsystems.com

CONTACT INFORMATION

WORLD HEADQUARTER

16485 Laguna Canyon Rd., Suite 130
Irvine, California 92618
Tel: 949.580.3640
Fax: 949.580.3645

EUROPE & MIDDLE EAST

5 rue de la Vallee Yart
78640 Saint Germain de la Grange France
Tel: +33.13.489.9056
Fax: +33.13.489.6025

REGIONAL OFFICES

ASIA Shenzhen, Guangdong Province
518131
Tel: (86) 136.00419465
Fax: (86) 755.83275012

AFRICA Roodepoort, South Africa
Office & Mobile: +27 82 553 9093

MANUFACTURING FACILITY

8800 N. Allen Rd.,
Peoria, Illinois 61615
Tel: 949.580.3640
Fax: 949.580.3645

Fax: 086 670 6318

AUSTRALIA Glen Osmond 5064, South
Australia
Tel: +61 (0) 417 862 269
Fax +61 (0) 8 8338 2021

MEXICO, CENTRAL AMERICA

Guanajuato, Mexico
Tel/Fax: +52 (461) 614.2322

SOUTH AMERICA Santiago, Chile
Tel/Fax: +56 229.55

99955559rev1