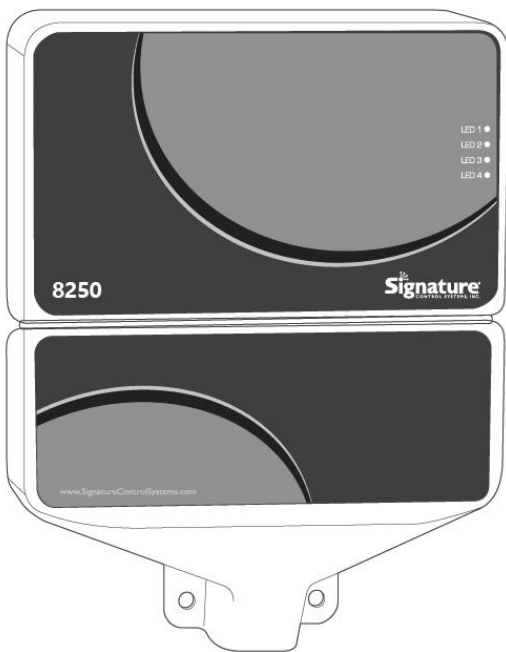




Quick Start Guide



Share™

8250

Irrigation Controller

Quick Start Guide

For Programming and Setup Instructions Visit:

www.SCS-Share.com

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NOTE: YOUR 8250 CONTROLLER ESTABLISHES CONNECTION TO THE INTERNET USING A CAT 5 NETWORK (ETHERNET) CABLE. SIGNATURE CONTROL SYSTEMS MANUFACTURES OTHER MODELS THAT CONNECT TO THE INTERNET USING INTEGRATED WI-FI OR A CELL PHONE MODEM. SOME CUSTOMERS USE THIRD PARTY HARDWARE, SUCH AS A "POWER LINE NETWORK ADAPTER" (INTERNET OVER POWER CABLES) OR A "WI-FI NETWORK" (RANGE EXTENDER) TO SUPPLY AN ETHERNET CABLE TO THE 8250 CONTROLLER. THESE DEVICES ARE SOLD SEPARATELY. IF YOU ARE USING A THIRD PARTY DEVICE TO SUPPLY AN ETHERNET CABLE TO YOUR 8250 CONTROLLER, PLEASE REFER TO THEIR OWNER'S MANUAL FOR SPECIFIC INSTRUCTIONS ON HOW TO INSTALL THE HARDWARE.

INSTALLATION

The 8250 can be easily mounted indoors. Find a location near a 120V receptacle (230/240V for international models). Note: You may need to install an outlet adapter to increase the number devices you can plug in to the outlet. Install the 8250 controller near eye level if possible. Install the top screw in the wall and adjust the depth for a snug fit. Remove the wiring skirt and suspend the controller on the first mounting screw and insert and tighten the second screw through the lower hole provided in the case (pre-drilled or anchors as necessary).

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 8250 controller 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 8250 controller 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 8250 controller is equipped to run two normally open, normally closed or pulse type sensors. Each sensor port is user defined via the SCS website. Connect the sensor wires to either the S1 or S2 terminals. Refer to the sensor manufacturer's instructions for specific installation details. (See *Figure 1 on page 4*)

NOTE: Manual operations will ignore the rain sensor

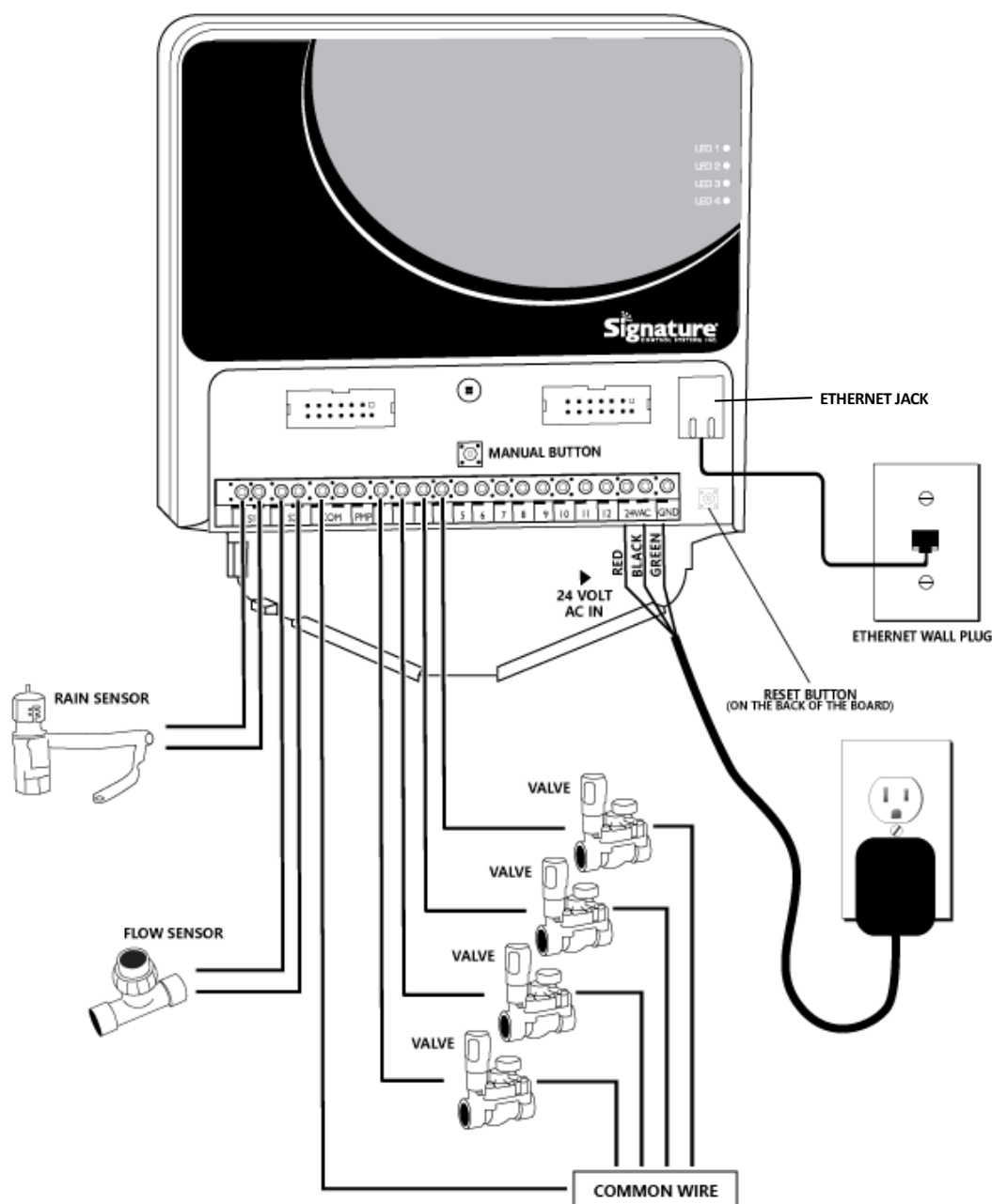
Connecting the Transformer

CAUTION: Disconnect power

120 VAC in United States, Canada and Mexico; 230 VAC in Europe, and 240 VAC in UK, Middle East, Australia and South Africa. Connect the AC Power from the transformer to terminal strips and route the cable through the slot provided in the case. (See *Figure 1 on page 4*). Attach the wiring skirt to the unit. Plug the AC power adapter into the nearest receptacle.

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

Figure 1



CONNECTING TO THE INTERNET

There are 3 easy ways to connect the 8250 to the Internet

1. Direct Ethernet Connection
2. Wi-Fi Network Adapter (Sold separately)
3. Power Line Network Adapter (Sold separately)

Method 1: Direct Ethernet Connection

If you have a CAT 5 network cable (Ethernet cable) available to your controller, simply plug the network cable into the Ethernet jack located on the lower right hand corner of the circuit board of your controller (see *Figure on page 4*)

Method 2: Wi-Fi Network Adapter (Sold Separately)

A Wi-Fi Network Adapter is a hardware device that receives a router's wireless signal to provide an internet connection to non Wi-Fi enabled devices. Install your Wi-Fi adapter near your 8250 controller *and within range of your wireless router*.

NOTE: The following steps are a general outline of how to use a Wi-Fi adapter to provide internet connection to your 8250 controller. Your specific adapter may not follow these steps. SEE YOUR THIRD PARTY OWNER'S MANUAL FOR INSTRUCTIONS ON HOW TO SET UP A NETWORK USING A WI-FI ADAPTER.

Plug in your Wi-Fi adapter in an area that receives a strong signal from your router and is also near your 8250 controller

Pair your Wi-Fi Adapter to your Router

Connect a CAT 5 Network cable (Ethernet cable) from the Adapter to your 8250 controller

Method 3: Power Line Network Adapter

A power line network adapter takes advantage of your home's existing electrical wires to transfer data while simultaneously transferring traditional power.

NOTE: The following steps are a general outline of how to use a power line network adapter to provide internet connection to your 8250 controller. Your specific power line adapter may not follow these steps. SEE YOUR THIRD PARTY OWNER'S MANUAL FOR INSTRUCTIONS ON HOW TO SET UP AND USE A POWER LINE NETWORK ADAPTER TO PROVIDE INTERNET CONNECTION TO YOUR 8250.

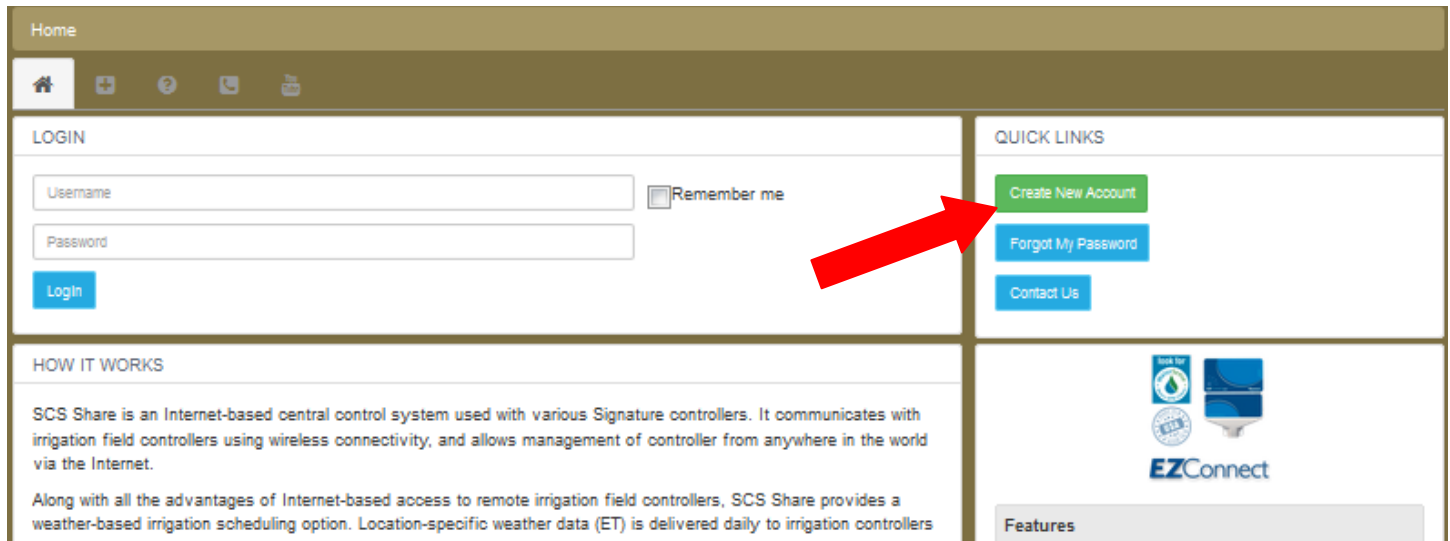
1. Plug in the master power line adapter to an outlet near your router
2. Connect a CAT 5 network cable (Ethernet cable) from the master power line adapter to your router
3. Connect the secondary power line adapter to an outlet near your 8250 controller
4. Connect a CAT 5 network cable (Ethernet cable) from the secondary power line adapter

to your 8250 controller

CREATING A USER ACCOUNT

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

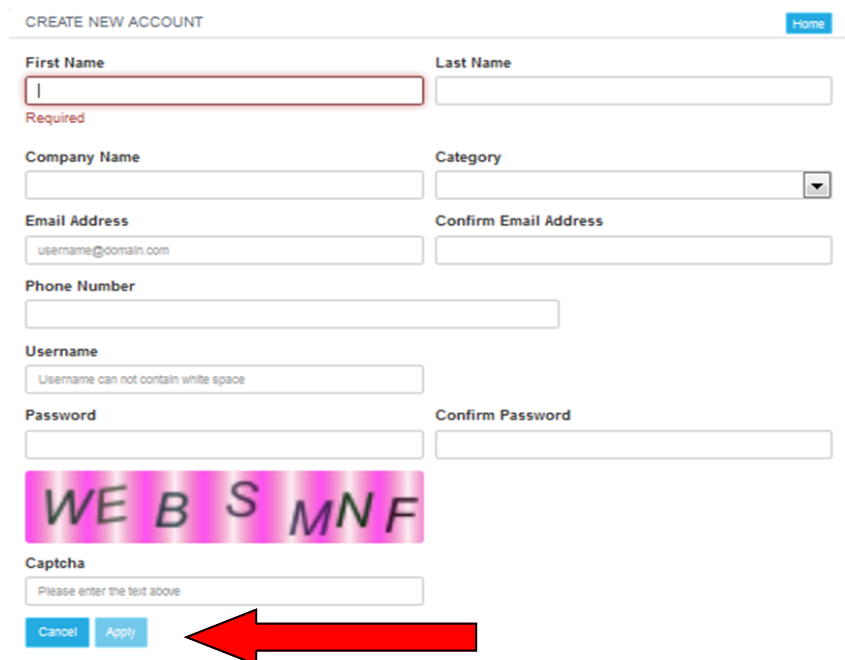
Step 2: Click on “Create New Account.”



The screenshot shows the home page of the SCS Share website. The page has a navigation bar with a 'Home' link and several icons. Below the navigation bar, there is a 'LOGIN' section with fields for 'Username' and 'Password', a 'Remember me' checkbox, and a 'Login' button. To the right of the login section is a 'QUICK LINKS' section with three buttons: 'Create New Account' (highlighted with a red arrow), 'Forgot My Password', and 'Contact Us'. Below the login section is a 'HOW IT WORKS' section with text describing the system. To the right of the 'HOW IT WORKS' section is a 'Features' section with a 'EZConnect' logo.

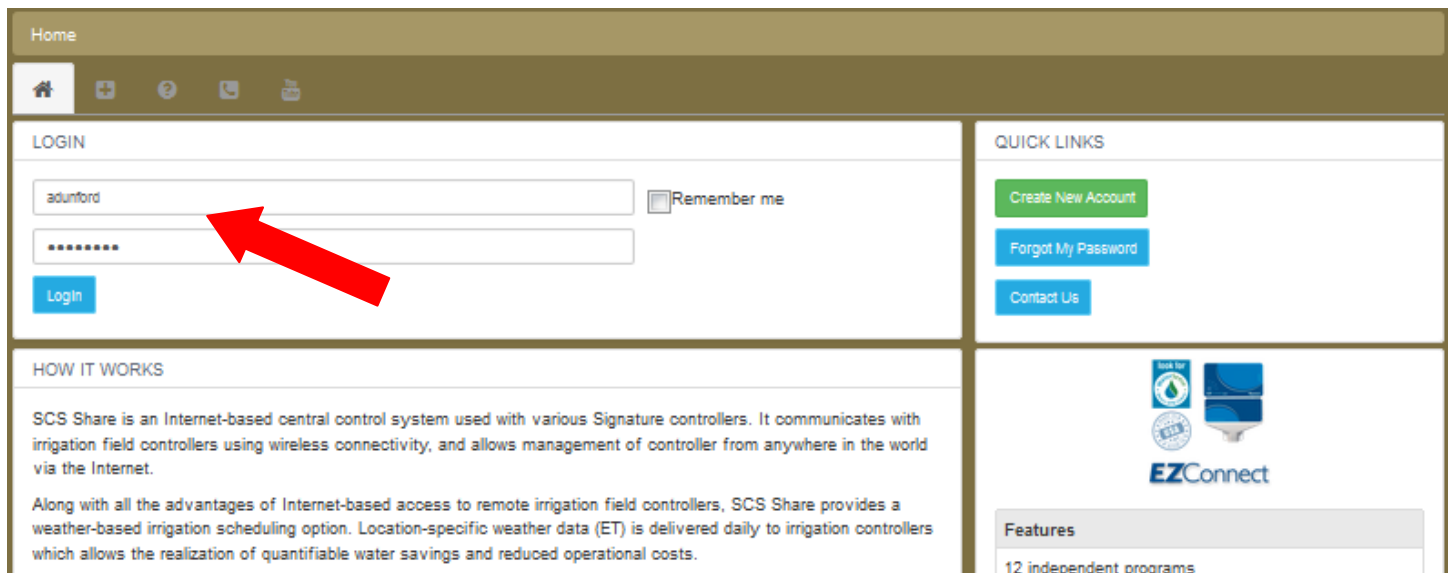
Step 3: Fill out the required information and click “Apply.”

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



The screenshot shows the 'CREATE NEW ACCOUNT' form. The form has a 'Home' link in the top right corner. The form fields are: 'First Name' (required), 'Last Name', 'Company Name', 'Category' (dropdown), 'Email Address', 'Confirm Email Address', 'Phone Number', 'Username' (with a note: 'Username can not contain white space'), 'Password', and 'Confirm Password'. Below the password fields is a 'Captcha' section with a distorted image of the text 'WEBS MNF' and a text input field with the placeholder 'Please enter the text above'. At the bottom of the form 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.



The screenshot shows the SCS Share web interface. At the top is a 'Home' header with navigation icons. Below is a 'LOGIN' section with a username field containing 'adunford', a password field with masked characters, a 'Remember me' checkbox, and a 'Login' button. A large red arrow points to the password field. To the right is a 'QUICK LINKS' section with buttons for 'Create New Account', 'Forgot My Password', and 'Contact Us'. Below the login section is a 'HOW IT WORKS' section with text describing the system. To the right of this is an 'EZConnect' logo and a 'Features' section listing '12 independent programs'.

DOWNLOADING THE MOBILE APP

The SCS Mobile App is available for free at the iPhone store 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 8250 controller 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 8250 controller 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 8250 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@scsmaail.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.signaturecontrolsyste.ms.com

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