

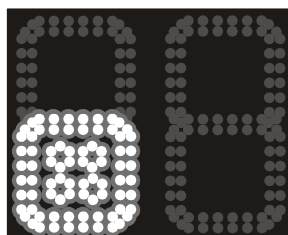
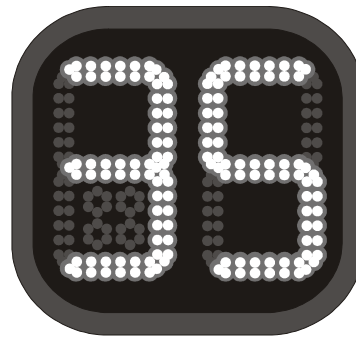
Nevco Scoreboard Company

Installation Manual

Serial No. _____

Model SCD-5

- Size: 22 in. x 20.5 in. x 7 in. (.56 x .52 x 0.18 meters)
- Approximate hanging weight: 22 lbs. (10 kg.)
 - Power requirements 120V, 1 Amp
 - UL Listed/c-UL Listed



*Scoreboards · Message Centers
Video Displays*

Since 1934

Retain this manual in your permanent file.

Thank You

Thank you for purchasing from Nevco Scoreboard Company. Below are some important tips to remember when installing your new equipment.

- Pre-test the equipment before installation.
- Consult National Electrical Code and local codes before installation.

Installation Instructions

Unpacking the Equipment

To protect your new scoreboard system from accidental damage, follow the steps below:

- Carefully remove all equipment from its packing carton. **Do not** pry against the scoreboard in any way. Inspect for damage.

Note: If damage to any equipment contact carrier immediately.

Pre-Test Your Equipment

(Shot Clock Pre-Mounting Test)

- Connect a length of 2-WIRE cable from the BNC connector on the back of the shot clock to the signal source. (control or receiver)
- Connect the shot clock to a temporary power service. (See installation print for power service requirements.)
- Follow the Control Hookup & Troubleshooting Guide to make sure the system operates properly.

Shot Clock Mounting

An optional suspension mounting kit is available for the SCD-5 shot clock.

Drawings included in the suspension mounting kit provide details for suspension mounting.

Always use good mechanical practices when mounting the shot clocks:

- Use only plated fastening devices to prevent rust or corrosion.

Power Service Connections

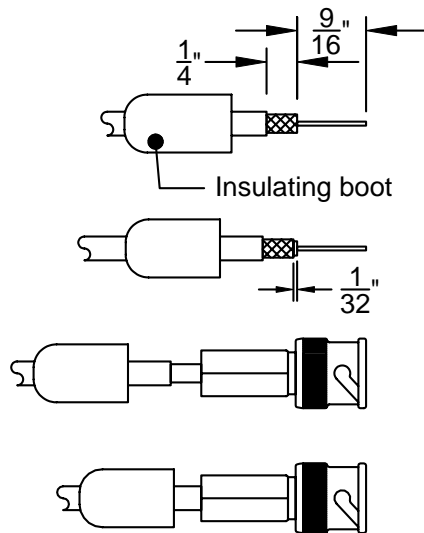
Nevco suggests installation of a dedicated service or circuit for the scoreboard. This eliminates the possibility of overloading the circuit breaker, and guards against service problems in the future. The power requirements will provide a 20% safety factor to guard against nuisance tripping of the circuit breaker.

The contractor or installation personnel will determine the wire length and size required to maintain the voltage necessary to support the circuit load. Nevco recommends the power service maintain 120V at the scoreboard under maximum load.

Consult the National Electrical Code and local codes before installation.

Installing Cable Connectors

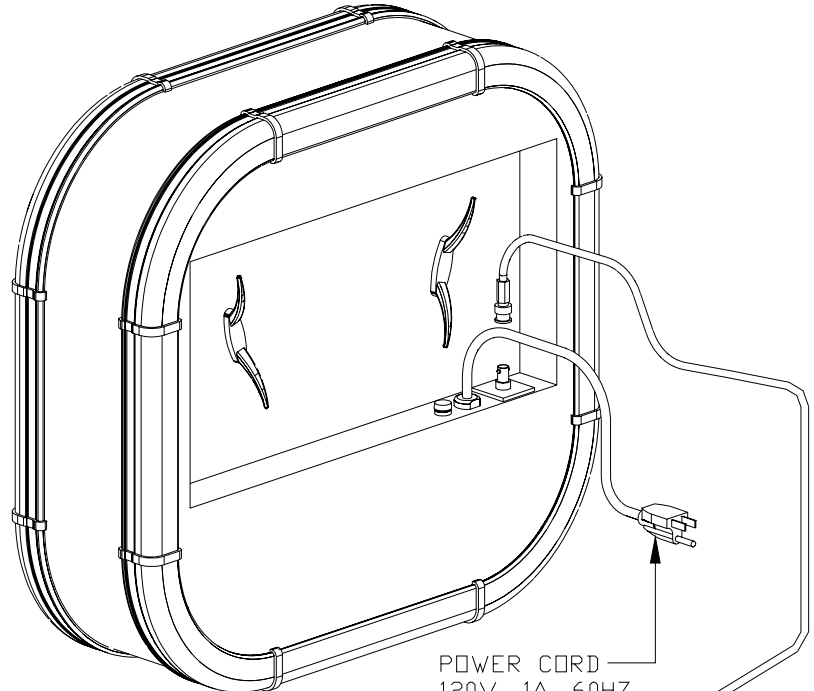
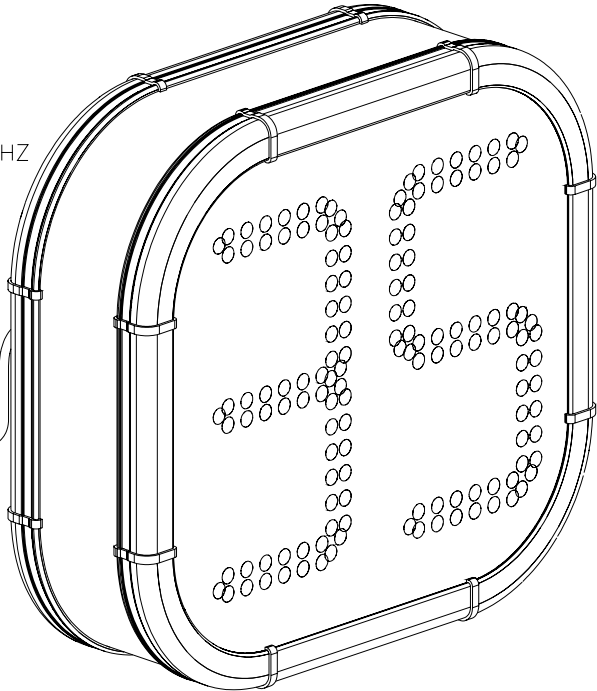
The 2-WIRE cable that comes with your scoreboard does not have connectors attached.



To install connectors on each end of the cable:

- ❑ Slide the insulating boot onto the cable and trim the cable as shown.
- ❑ Twist the outer braid in a **clockwise** direction so that at least 1/32 in. of the inner dielectric is bared and the braid is left flat. Be sure no strands of the outer braid are touching the center conductor.
- ❑ Insert the center conductor into the back of the connector, feeding it into the guide hole.
- ❑ Push the cable as far as possible into the connector.
- ❑ Screw the connector onto the cable in a clockwise direction until the connector stops turning.
- ❑ Slip the insulating boot over the back of the connector.

POWER CORD
120V, 1A, 60HZ



POWER CORD
120V, 1A, 60HZ

1/4" DIA. CONTROL CABLE

1/4" DIA. CONTROL CABLE

CONNECT TO CONTROL

FOR INDOOR USE, DRY LOCATION

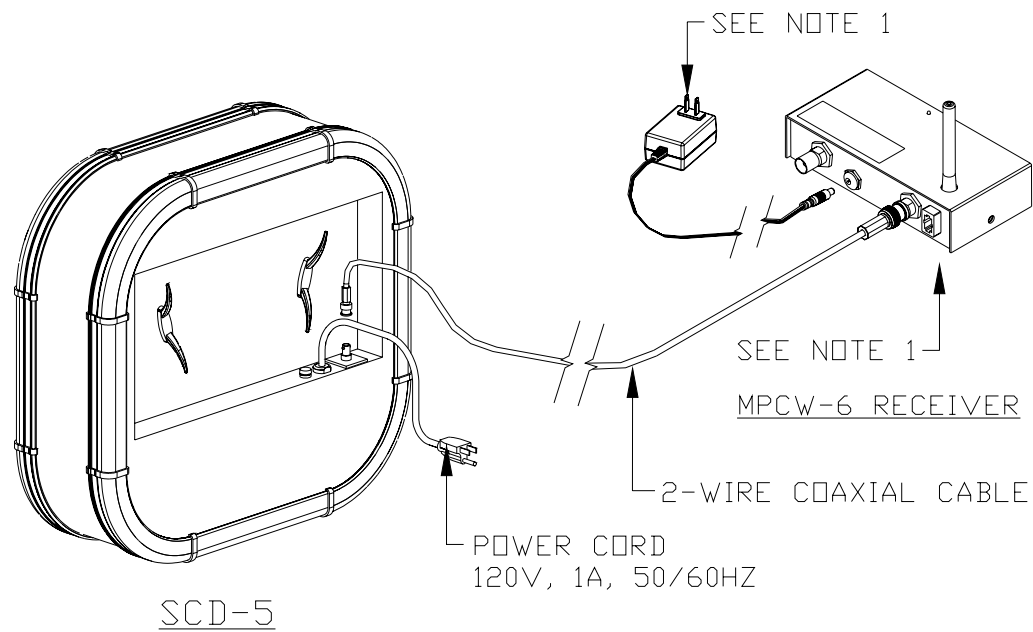
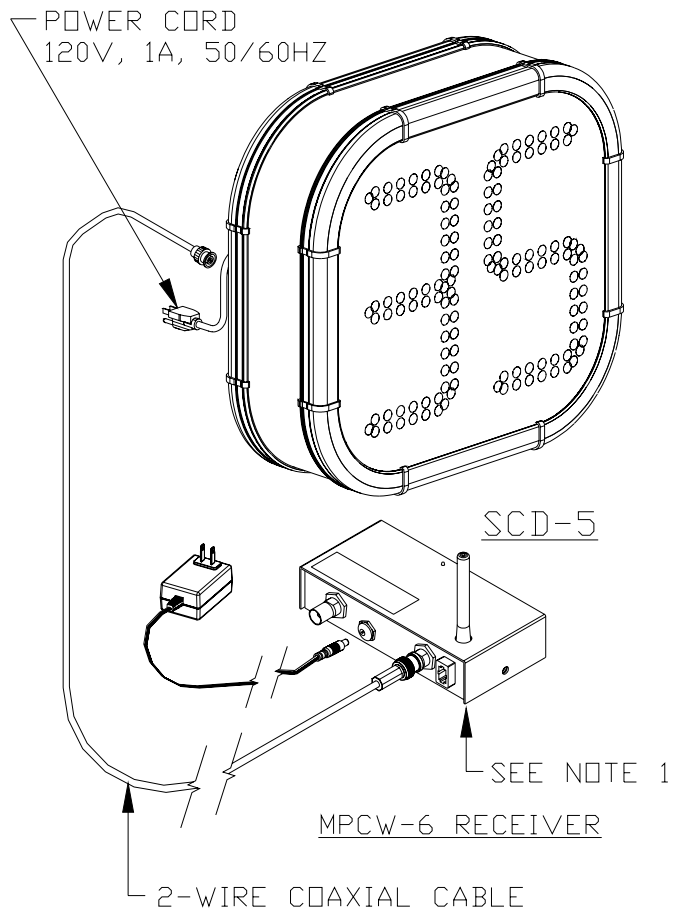
FACE & CABLE
ILLUSTRATION
FOR SCD-5
2-WIRE
OPERATION



NEVCO SCOREBOARD CO.
GREENVILLE, ILLINOIS 62246

DRAWING NO. C10121


DRAWN HW DATE 11/17/04 SHEET 1 OF 1



NOTE

1. FOR MPCW-6 RECEIVER AND CONTROL INFORMATION SEE C9922.
2. MOUNTING BRACKETS PROVIDED TO MOUNT RECEIVER ON TOP OF SHOT CLOCK.

FOR INDOOR USE, DRY LOCATION

FACE & CABLE ILLUSTRATION FOR SCD-5 W/MPCW-6 WIRELESS OPERATION		 NEVCO SCOREBOARD CO. GREENVILLE, ILLINOIS 62246
DRAWN _{HW} DATE 8/30/05		
SHEET 1 OF 1		DRAWING NO. C10122

Nevco Scoreboard Company

Scoreboard Testing and Troubleshooting Guide

SCD-5



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Scoreboard Module and Operation Testing

Because the microcomputer is capable of “masking” weaknesses in the scoreboard system, it is important that it reveal problems so corrections can be made before they get worse. A special command can be sent from the control to start the **scoreboard self-test** program. Please consult the **Control Hookup and Troubleshooting Guide** for instructions on initiating and terminating the following tests.

Control Signal Test

Consult the **Control Hookup and Troubleshooting Guide** for availability and instructions.

Scoreboard Self-test

Consult the **Control Hookup and Troubleshooting Guide** for instructions on initiating this test.

Light Circuit Test

When the **Scoreboard Self-test** is started, an “E” will appear in the Seconds Unit’s section of the scoreboard for about a second before the **Light Circuit Test** starts. One LED segment will illuminate in all digits in succession for two rotations. An eight will then display in one digit at a time for two rotations. Next the End Of Period segments will be tested. This pattern will continue until you either reestablish communications from the control or turn off the power to the scoreboard.

Make careful note of any LED segments that are not illuminating. Contact Nevco Service Department for help.

Troubleshooting Guide

A shot clock malfunction normally results from a component failure or a bad mechanical connection. This troubleshooting guide helps to locate the failure. This information can then be reported to the Nevco Service Department.

NOTE: Turning the control off does **NOT** turn the power off to the scoreboard or other devices.

PROBLEM:

The shot clock does not illuminate even though the control seems to operate correctly.

SOLUTION:

- ❑ Check the circuit breakers associated with the shot clock.
- ❑ Check all 2-WIRE cables and connections.
- ❑ Make sure all necessary hand held switches are connected to the control. (Some controls require a hand held shot clock switch in order to access the shot clock functions).
- ❑ Consult the **Control Hookup and Troubleshooting Guide** for more help.

PROBLEM:

Control does not respond when turned on and the shot clock does not illuminate.

SOLUTION:

- ❑ See **Control Hookup and Troubleshooting Guide**.

PROBLEM:

A single segment in a particular numeral does not light.

SOLUTION:

- ❑ The problem is in the display. Make careful note of the location of the segment and return the defective shot clock display to the Nevco Service Department.

If the problem persists please contact the Nevco Service Department.

800-851-4040

Nevco Guarantee

Nevco scoreboards are guaranteed for a period of five (5) years** from the date of invoice against defects in workmanship or material and will be replaced or repaired without cost to the owner provided the equipment or parts (which includes LED segments) are returned postage-paid to the Nevco factory. Shipping back to the owner will be surface postage prepaid except if air or special method of return is specified; then shipping will be freight collect. Lamp bulbs are excluded from this guarantee. Nevco Scoreboard Company will pay no charges for time or material used by others in making repairs or corrections. Guarantee shall be void if: any alteration or service, other than unplugging modules or controls, is performed without Nevco factory authorization; or if the equipment has been connected to incorrect power, or is improperly grounded or improperly installed. Equipment which is subjected to accident, neglect, abuse, misuse or other natural disasters, including but not limited to: fire, wind, lightning, flood, is not covered by this guarantee.

** Nevco wireless equipment is guaranteed for a period of two (2) years from the date of invoice. . All other terms and conditions of this guarantee remain the same.

NEVCO SCOREBOARD COMPANY

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From all 50 states and Puerto Rico

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Toll Free: 800-461-8550

Fax: 705-325-8891

Website: www.nevco.com

Email: info@nevco.com



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NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This class A digital apparatus meets all requirements of the Canadian Interference- Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouleur du Canada.

Service Request

Scoreboard Serial # _____

Service: Module(s) Serial # _____

Service: Control(s) Serial # _____

Comments: _____

Parts Request

	Quantity	Part No.	Description
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

Contact, Shipping, and Billing Information

Person to Contact: _____ Phone # _____

E-Mail: _____

Ship To: _____

Street _____

City _____ State _____ Zip Code _____

Ship Via _____

Bill To: _____ Purchase Order # _____

P.O. Box # _____

Street _____

City _____ State _____ Zip Code _____

We will contact you with the amount of your purchase before charging your account.

Charge To: _____

Name exactly as it appears on credit card

Signature

Credit Card: American Express MasterCard VISA

Credit Card Account Number

Expiration Date: ____/____
Month Year

Make a copy of this form to order parts needed and/or to return with item to be serviced.

