

# EVERSAN

www.eversan.com

## MODEL 9200/9400



## PORTABLE MULTI-PURPOSE SCOREBOARD

### Instruction Manual

Address: 34 Main Street, Whitesboro, NY 13492

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SCOREBOARDS • TIMERS • MESSAGE SIGNS • VIDEO DISPLAYS • WIRELESS

# Table of Contents

|   |   |
|---|---|
| Check List .....                        | 1 |
| Installation Instructions.....          | 2 |
| Installation Drawings.....              | 3 |
| Instructions for Wiring.....            | 4 |
| Wireless Operation.....                 | 4 |
| Operating Instructions.....             | 5 |
| Model 812V Battery (optional) .....     | 6 |
| Cabled Console .....                    | 7 |
| Wireless Console .....                  | 8 |
| Maintenance of Outdoor Scoreboards..... | 9 |



**MODEL 9200/9400  
MUTI-PURPOSE SCOREBOARD**

These instructions must be followed to ensure correct operation. The warranty will be considered null and void if inspection and operating procedures are disregarded.

Should you require assistance or have any questions, please call 800-383-6060.

**Check List**

- Model 9400 Scoreboard
- Control Console with LCD readout
- 9-volt adapter to power control console
- Two Conductor Control Cable (Cabled Systems Only)
- Antenna (2) (Wireless Systems Only)

**Options for Model 8400**

- 12VDC battery for console
- Portable Power System for Scoreboard

**NOTE:** Please check that these items are available prior to initial test of the scoreboard. If you are missing any items, please call **(800) 383-6060 for assistance.**

**Customer Shipping Inspection**

- A. Unpack scoreboard.
- B. Unpack cable and control console. Plug the console cable and console into the console connector on back (see diagram).
- C. Testing - Remove four screws holding the panel on the 120VAC access box on the back of the scoreboard. There is a standard 120VAC plug for testing. After testing cut connector provided. Match colors on power cable provided to three wires on 120V box. This board operates on 120VAC at approximately 4 AMP.

**NOTE: FAILURE TO TEST SCOREBOARD PRIOR TO INSTALLATION  
WILL VOID ALL WARRANTIES.**

Power scoreboard using 120VAC and test scoreboard using the operating instructions provided.

**SHOULD THERE BE A MALFUNCTION OR SHIPPING DAMAGE,  
NOTIFY THE SHIPPER AND EVERSAN IMMEDIATELY.**

## INSTALLATION

(See attached diagram)

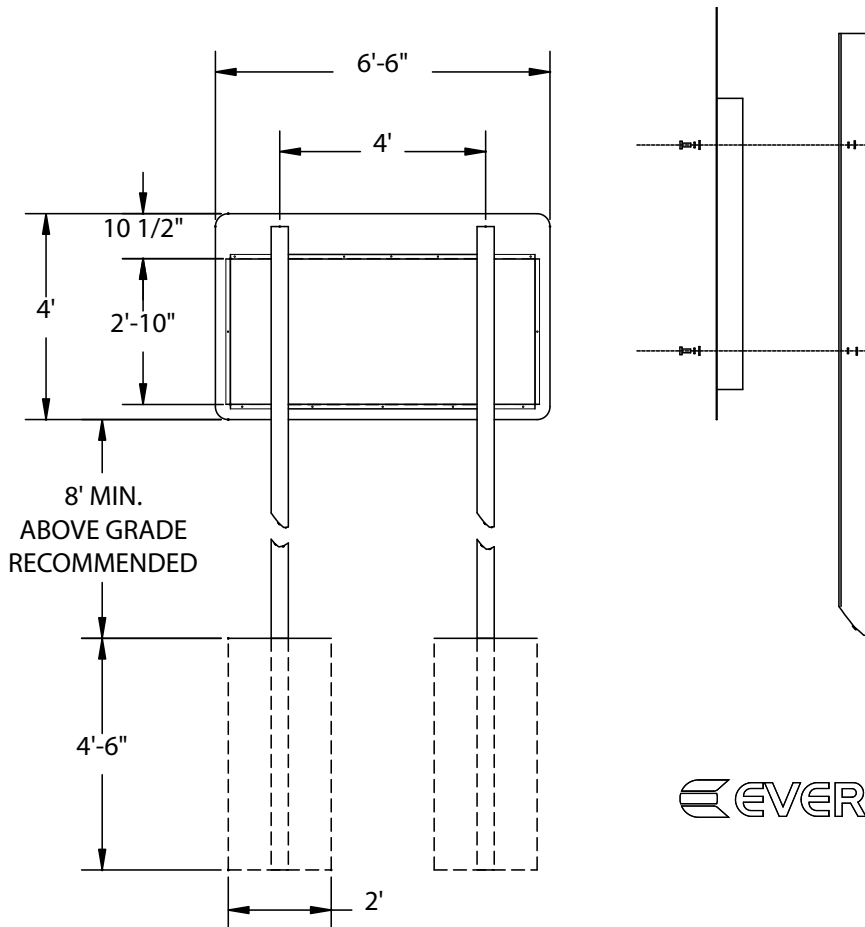
1. Eversan, Inc. assumes that all local codes are followed when installing this sign. Failure to comply with local codes is the liability of the installer.
2. Eversan recommends a minimum depth of 4'-6" and 2' diameter footer.
3. Calculate the wind loading by standard formula for height and dimension of sign. Dimension of the sign is 4' High x 6'-6" Wide. Approximate weight is 80lbs.  
**NOTE:** Check local codes for your area.
4. Prepare and sink I-beams or 4" x 4" treated wooden posts, minimum I-Beam recommendation W 8 x 10 conforming to ASTM A36, align with plumb line and careful measurements.(see diagrams for details)

### Electrical Specifications:

**Electric outlets for scoreboards are always on a "clean" unused, switched breaker box. Pay close attention to the power source and connections. It is recommended that a key-switch or switched breaker box be used to turn off the system at the end of use each day.**

The scoreboard should always be powered down when not in use.

## REAR VIEW OF 9400 I-BEAM INSTALLATION



### INSTALLATION:

1. INSTALL POSTS 4' APART, MINIMUM POST SIZE RECOMMENDED IS EITHER 4" X 4" TREATED LUMBER POST OR A W8X10 I-BEAM.

2. REMOVE THE TENS OF MINUTES, UNITS OF SECONDS, HOME AND GUEST SCORE DIGIT MODULES PER REMOVAL INSTRUCTIONS. DRILL HOLES THROUGH THE BACK OF THE SCOREBOARD THAT WILL ALIGN WITH THE POSTS.

3. SECURE THE BOARD TO THE POSTS BY:

A. INSTALL 3 INCH LONG LAG BOLTS WITH A LOCK WASHER AND ONE INCH DIAMETER FLAT WASHERS IN EACH HOLE FOR WOODEN POSTS.

B. DRILL CORRESPONDING HOLES IN THE METAL I-BEAMS AND SECURE SCOREBOARD WITH 5/16" BOLTS, NUTS, WASHERS AND LOCK WASHERS.

## INSTRUCTIONS FOR WIRING

120VAC @ 1 Amp regular outlet is all that is required to operate this scoreboard as a cabled unit. The scoreboard may be plugged into a regular outlet, recommended, or direct wired with conduit for protection. The plug is on the right hand side of the scoreboard when you are facing it (see diagram).

### **CAUTION: Cabled System Only**

The data cable is a pre-wired, 12 conductor shielded, 22GA stranded cable. Any cable splicing should be color-coded or failure of the computer power supply will result. Continuity of the shield is essential in reducing possible damage due to lightening.

### **Power up Sequence:**

#### **120VAC Operation (Cabled System)**

1. Plug the control console into the scoreboard using the cable provided. Any of the 2-pin connectors on the control console can be used. The connector for the scoreboard is located on the back (see diagram).
2. Power up the scoreboard using 120VAC, connection on back of scoreboard.
3. The scoreboard will now go through diagnostics. Each digit will show a dash and then starting at the minutes each digit will show an 8 and then go blank. The scoreboard will then stay blank until the control console is turned on.
4. Turn the control console on using the rocker switch located on the upper left side. The control console will display "WIRELESS NETWORK SYSTEM ID = NO" for approx. 5 seconds. The display will then show, "EVERSAN, INC. DISPLAY SYSTEMS", and then "TIME=00:00.0 9, H=00 PER.=0 G=00". You are now ready to use the operating instructions to test all the functions.

**Note:** If the control console will not power up or shows "BATTERY LOW" replace the battery with a 9V alkaline battery or use the 9-volt adapter provided.

## **WIRELESS OPERATION**

Eversan, Inc.'s 2.4GHZ frequency hopping wireless control system allows for multiple scoreboards to be controlled separately or together within feet of each other.

### **Initializing the wireless system:**

The following steps must be used to ensure proper communication from the 9380/84 wireless control console and each scoreboard you want to control.

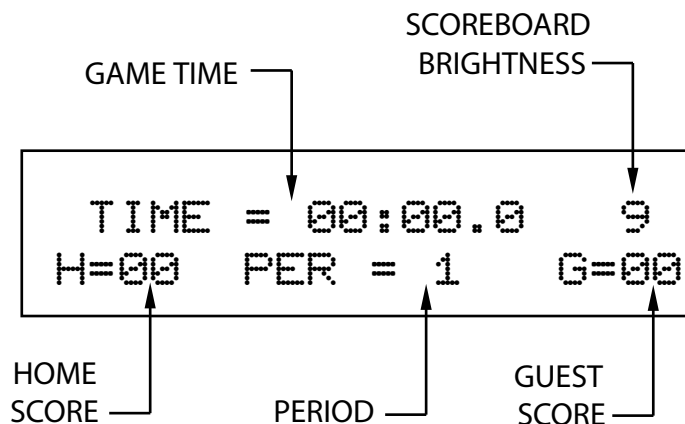
1. Turn the power on to each 9200/9400 scoreboard that you want to control. The scoreboards will show a dash in each digit location.

2. Connect the antenna, 9VDC adapter provided or optional 12-volt battery, to the 9380/84 wireless control console (see diagram for proper placement).

Turn the control console on using the rocker switch located on the upper left side. The control console will display "WIRELESS NETWORK SYSTEM ID = XX" for approx. 5 seconds. The display will then show, "EVERSAN, INC. DISPLAY SYSTEMS", and then "TIME=00:00.0 9, H=00 PER.=0 G=00". You are now ready to use the operating instructions to test all the functions.

## Operating instructions:

1. **TO SET TIME:** Press and release the **TIME** button once and enter a (4) Digit number, example 12:00 minutes would be set by pressing and releasing **TIME** followed by 1,2,0,0 via the 0-9 keypad.
2. **TO SET THE SCORE:** Press and release the **HOME** or **GUEST** button once to increment by one. Press and hold down to decrement. Press and release the button and enter any 2-digit number from 0-9 on the numbered keypad, example 06 would be set by pressing and releasing **HOME** or **GUEST** and 0,6 using the 0-9 keypad.
3. **TO SET PERIOD:** Press the **PERIOD** button once to increment by one. Press and release the button and enter any number from 0-9 on the numbered keypad.
4. **TO START THE TIME:** Push **GREEN START/ STOP** once. To stop clock push **START/ STOP** again.
5. **BRIGHTNESS CONTROL:** The illumination displayed by the scoreboard may be controlled by pressing and releasing the **BRIGHTNESS** (red) button on the control console and then pressing 0-9 on the keypad. 9 will make the scoreboard the brightest and 1 will make the scoreboard the dimmest. Zero will blank the scoreboard, but doesn't turn the scoreboard off.



## **Wireless Control Console Battery Operation: (Optional)**

1. Turn the scoreboard power on.
2. Attach Eversan, Inc.'s special battery connector to the 4-pin connector on the back of the wireless control console. (see diagram)
3. Connect the cigarette lighter plug into the Eversan battery pack or a car cigarette lighter.

## **Care of Battery Pack**

Under no circumstances should the battery pack be punctured or disassembled in any way. NEVER insert anything into the battery receptacle except a standard cigarette lighter type plug. The battery pack should always be stored in a fully charged condition and in a cool, dry place. When stored for a long period of time, the battery should be charged before use.

## **Charging**

The Battery should be charged after each use. Insert the cigarette lighter type plug of the charger into the receptacle on the side of the battery pack. Plug the charger into any standard 120volt household plug. Depending on the amount of drain on the battery, the following is a guide for recharging time. A 25% discharge requires 4 hours recharging. A 50% discharge requires 8 hours. A 100% discharge requires 14 hours recharging time.

**NOTE:** The Battery should NOT be left in the Recharging mode for more than 24 hours as this can damage the cell.

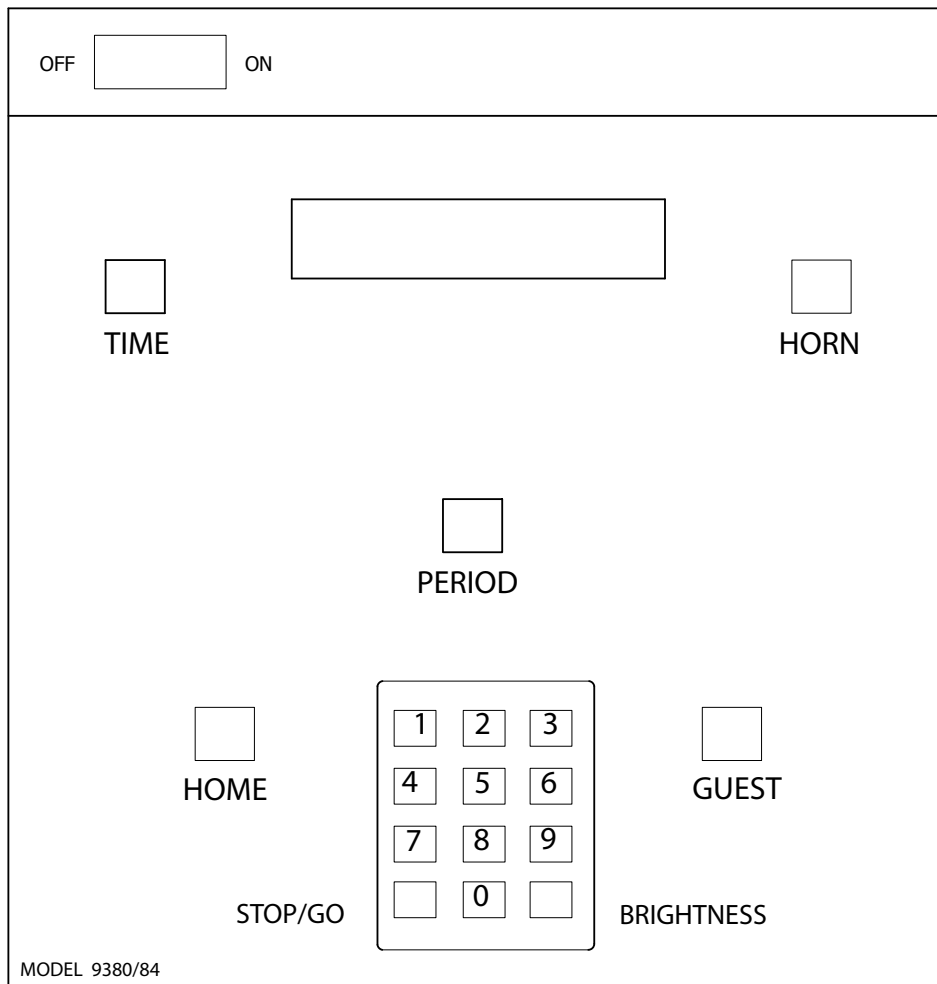
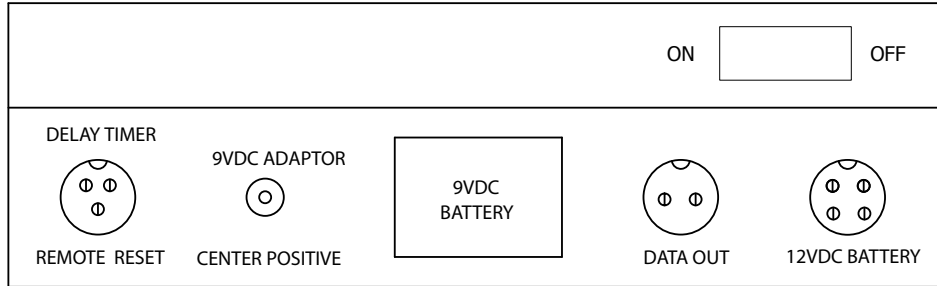
**CAUTION:** DO NOT attempt to charge this battery pack on currents other than 60-cycles 110volt/120volt AC current. Do not attempt to use the battery during charging.

## **Scoreboard Remote Power Pack Operation:**

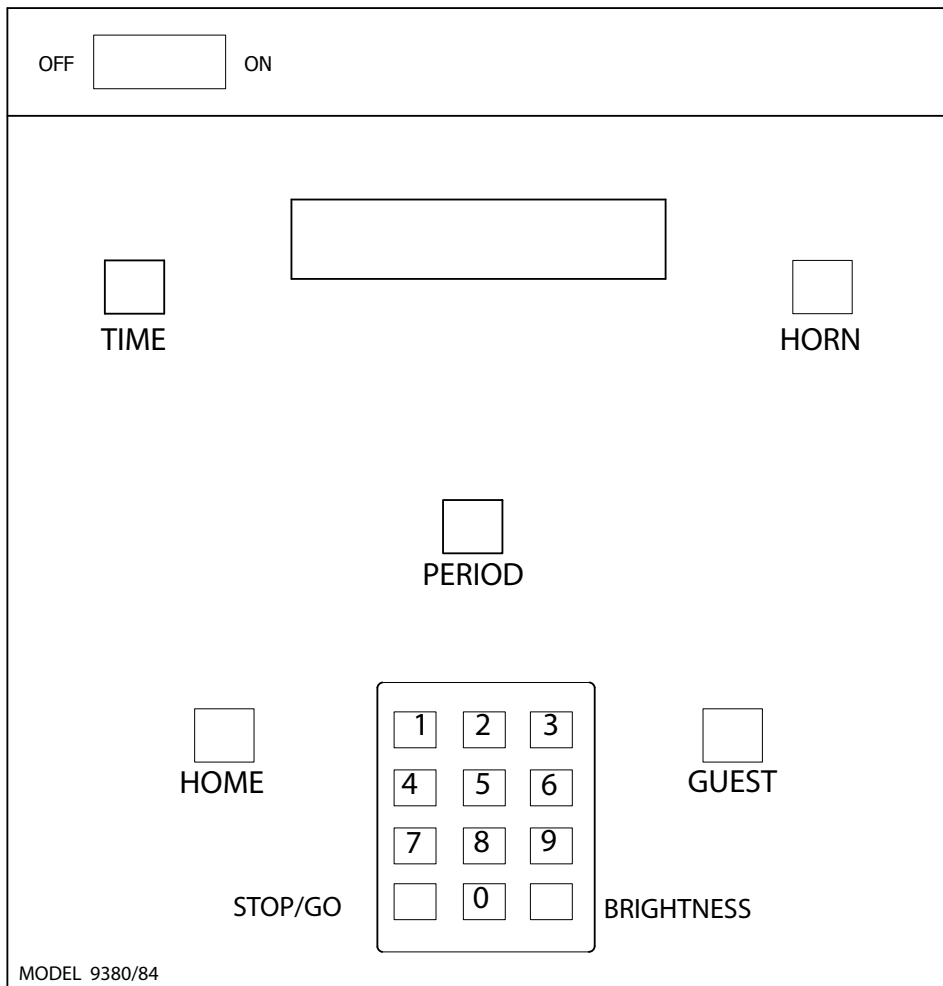
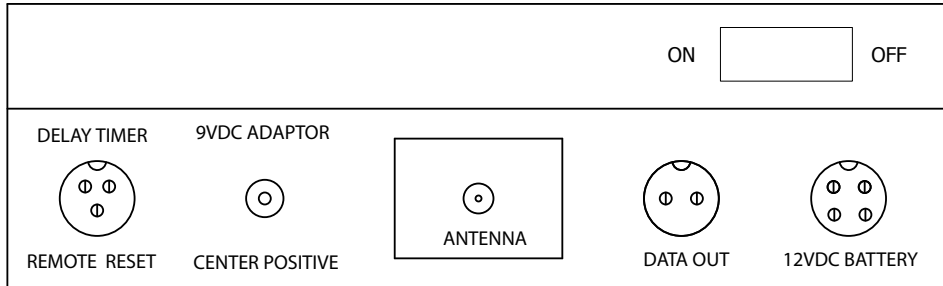
1. Always follow the manufacture instructions while using the remote power pack.
2. Power the scoreboard display by plugging into one of the 120VAC outlets on the remote power pack.
3. Follow the normal operating instructions for the scoreboard.



## 9380/84 CABLED LCD CONTROL CONSOLE



## 9380/84 2.4GHZ WIRELESS LCD CONTROL CONSOLE



## MAINTENANCE OF OUTDOOR SCOREBOARDS

The EVERSAN Outdoor Scoreboards rugged design will provide many years of trouble free performance.

### **Should you have a problem:**

The EVERSAN Outdoor Scoreboard modular design allows easy removal and replacement of all key elements. **Under no circumstances will EVERSAN, INC. pay for service performed on any of our products without expressed written notice from EVERSAN, INC. to the Service Company.**

### **Note to the customer:**

Please call our qualified service technicians if you experience any difficulties. We can assist you in solving your problem or help in returning the section in need of repair.

## REMOVAL AND REPLACEMENT PROCEDURES

Should repair become necessary the customer will note that each digit (8) is housed as an individual item within the scoreboard.

- Determine which digit is malfunctioning by observing the check out of 8's during power up or during operation.

### **To remove or replace digits:**

1. REMOVE ALL POWER FROM THE SCOREBOARD.
2. Unscrew the (4) four screws that hold the digit in place and slowly pull the digit away from scoreboard.
3. Detach the 9-pin segment data cable connector by pressing down on the top the latch on the side of the locking connector and pulling up on the connector. The Digit is removed.
4. Take the new digit and connect the 9-pin connector in the scoreboard to the 9-pin connector on back of digit. DO NOT FORCE.

**NOTE:** The connector is polarized and must be installed in only one direction.

5. Replacing the (4) four screws that hold the digit into place and test scoreboard. If problem persists please contact Eversan, Inc.



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