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**MODEL 9355
FOOTBALL SCOREBOARD**

INSTALLATION INSTRUCTIONS

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 9355 Scoreboard
- Control Console with LCD readout
- Two Conductor Control Cable (Cabled Systems Only)
- Mounting Brackets (4)
- Antenna (2) (Wireless Systems Only)

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

1. Unpack scoreboard (save boxes).
2. Unpack cable and control console (save boxes).
Plug the console cable and console into the console connector on back (see Diagram).
3. Testing - Remove four screws holding the panel on the 110VAC access box on the back of the scoreboard. There is a standard 110VAC plug for testing. After testing cut connector provided. Match colors on power cable provided to three wires on 110V box. This board operates on 110VAC at approximately 3/4 AMP.

NOTE: Failure to test scoreboard prior to installation will void all warranties.

Power scoreboard using 110VAC or optional 12-volt battery pack and test scoreboard using the operating instructions provided.

NOTE: Should there be a malfunction or shipping damage, notify the shipper and Eversan, Inc. immediately.

INSTALLATION

1. It is recommended that a professional sign company be hired to install the scoreboard (see diagram).
2. Eversan recommends a minimum depth of 4 ft. to 5ft. footer diameter.
3. Calculate the wind loading by standard formula for height and dimension of sign. Dimension of the sign is 5FT. High x 10FT. Wide. Approximate weight is 400lbs.
NOTE: Check local codes for your area.
4. Prepare and sink I-beams, minimum I-Beam recommendation W 6 x 15 conforming to ASTM A36, align with plumb line and careful measurements.
5. Determine height of lowest point for scoreboard, minimum recommendation 8FT. Mark and align on all mounting beams parallel to visual ground sighting.
6. Drill and bolt (5/16 bolts) or weld provided bottom Z-brackets to the posts as shown in the installation diagram.
7. Lift scoreboard set onto Z bracket. Secure temporarily with a clamp.
8. Place the top Z-brackets on the board and install in the same manner as the lower.
9. The board is now ready to be wired. Wireless systems must have the antenna installed on the Power Supply cover, on the front of the scoreboard. Just screw antenna into connector provided.
10. The board is now ready to be wired.

INSTRUCTIONS FOR WIRING

1. Determine 110VAC entrance and run conduit to pre-installed electric box on back of scoreboard (see diagram).
2. The scoreboard draws under 1 amp but requires its own circuit breaker. Eversan, Inc. recommends using a 10 amp, GFCI breaker.

CAUTION: Cabled System Only

The data cable is a pre-wired, 2 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 lightning.

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.**

Power up Sequence

110VAC 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 110VAC, connection on back of scoreboard (see diagram).
3. The scoreboard will now go through diagnostics. Each digit will show an 8 and then go blank. The home and guest score, seconds, ball on, yards to go, down, and quarter will then display zero's. The minutes will remain blank.
4. Turn the control console on using the rocker switch located on the upper left side. The control console will display “EVERSAN, INC. DISPLAY SYSTEMS” for approx. 5 seconds. The display will then show, “H=00 TIME=00:00 G=00, BO=00 Q=1 D=1 YTG=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.

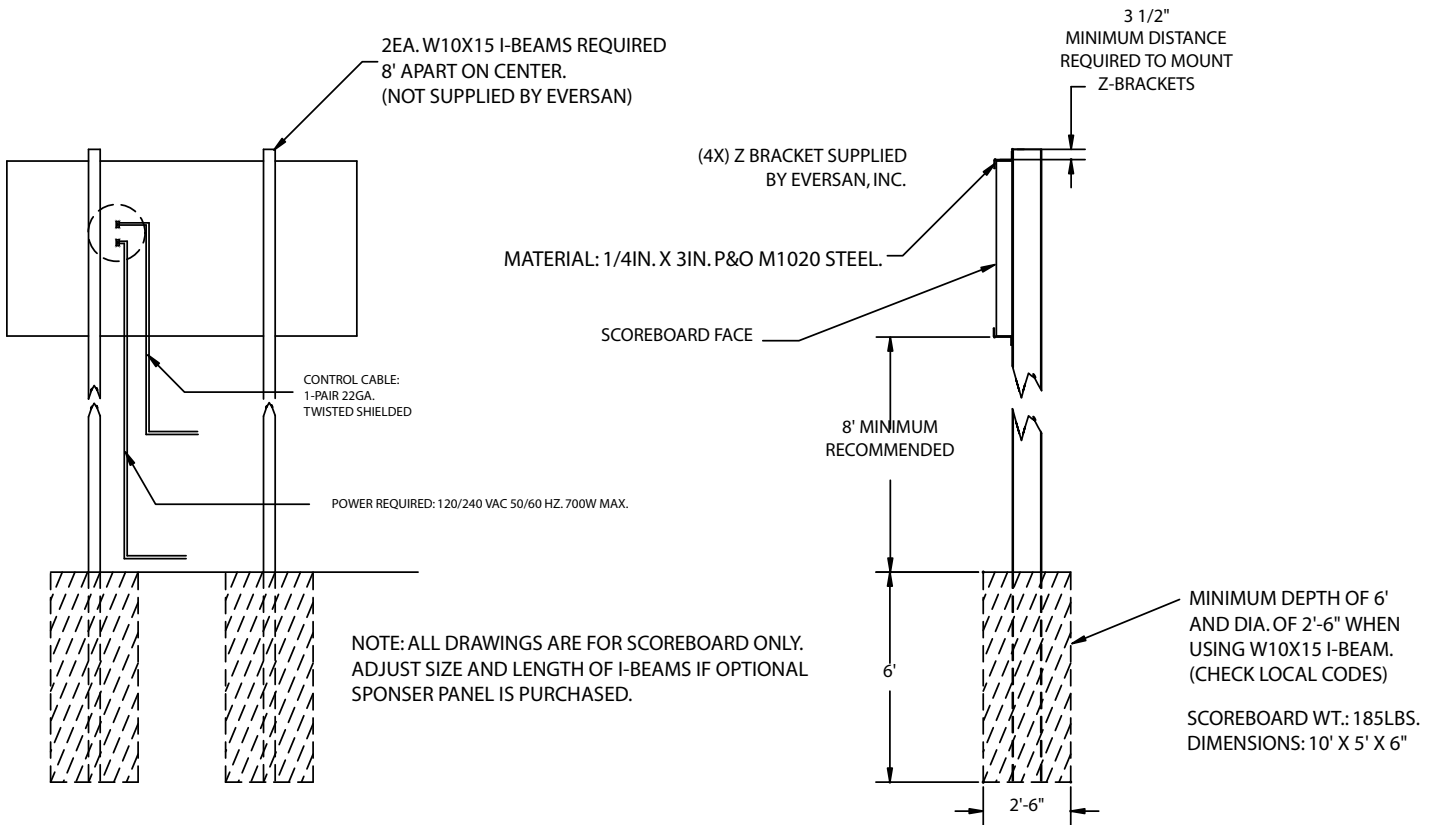
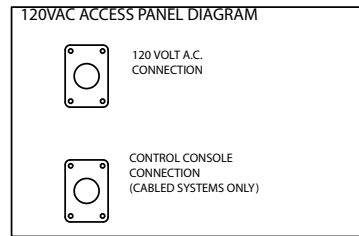
Scoreboard Battery Operation 12 VDC (Optional)

1. Attach the battery connector to the 4 pin connector on the back of the scoreboard (see diagram).
2. Connect the cigarette lighter plug into the Eversan battery pack or car cigarette lighter. Continue, starting with step 3 above.

TYPICAL INSTALLATION OF MODEL 9355

1. SET I BEAM AT PROPER LOCATIONS.
2. LOCATE, ON I BEAMS, WHERE THE BOTTOM OF SCORE BOARD WILL BE AND MOUNT BOTTOM Z BRACKETS. EITHER BOLT Z BRACKET TO I BEAM OR WELD Z BRACKET TO I BEAM.
3. LIFT SCORE BOARD AND OPTIONAL SPONSER PANEL INTO Z BRACKETS, CHECK FOR LEVEL AND SECURE WITH TOP BRACKETS.

DETAIL A



WIRELESS OPERATION

(See attached diagram)

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 9300 series wireless control console and each 9355 scoreboard you want to control.

1. Turn the power to on each 9355 Scoreboard that you want to control. The scoreboards should go through their diagnostic checkout. Each position will flash an (8) eight and then go blank.
3. Connect the antenna (9VDC adapter provided or optional 12-volt battery) to the 9355 wireless control console (see diagram for proper placement).
4. Turn on the control console. The control console will display "WIRELESS NETWORK PROTOCOL BEING SET" for approx. 3 seconds. The display will then show, "EVERSAN, INC. SCOREBOARDS " for approx. 5 seconds. The console then will read "H=00 TIME=00:00 G=00, BO=00 Q=1 D=1 YTG=00". The scoreboard will display what is shown on the console. See operating instructions.

Wireless Operating Instructions

1. **TO SET TIME:** Press the **TIME** button once and enter a (4) Digit number, example 12:00 minutes would be set by pushing **TIME** followed by 1200.
2. **TO SET THE SCORE:** Press 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.
3. **TO SET BALL ON, DOWN or YARDS TO GO:** Press corresponding button once to increment by one. Press and hold down to decrement. Press and release the button and enter any number from 0-9 on the numbered keypad.
4. **TO SET QTR:** Time must be stopped. Press the **RED QTR** button once to increment by one. Press and release the button and enter any number from 0-9 on the numbered keypad.
5. **TO START THE TIME:** Push **GREEN START/ STOP** once. To stop clock push **START/ STOP** again.

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.

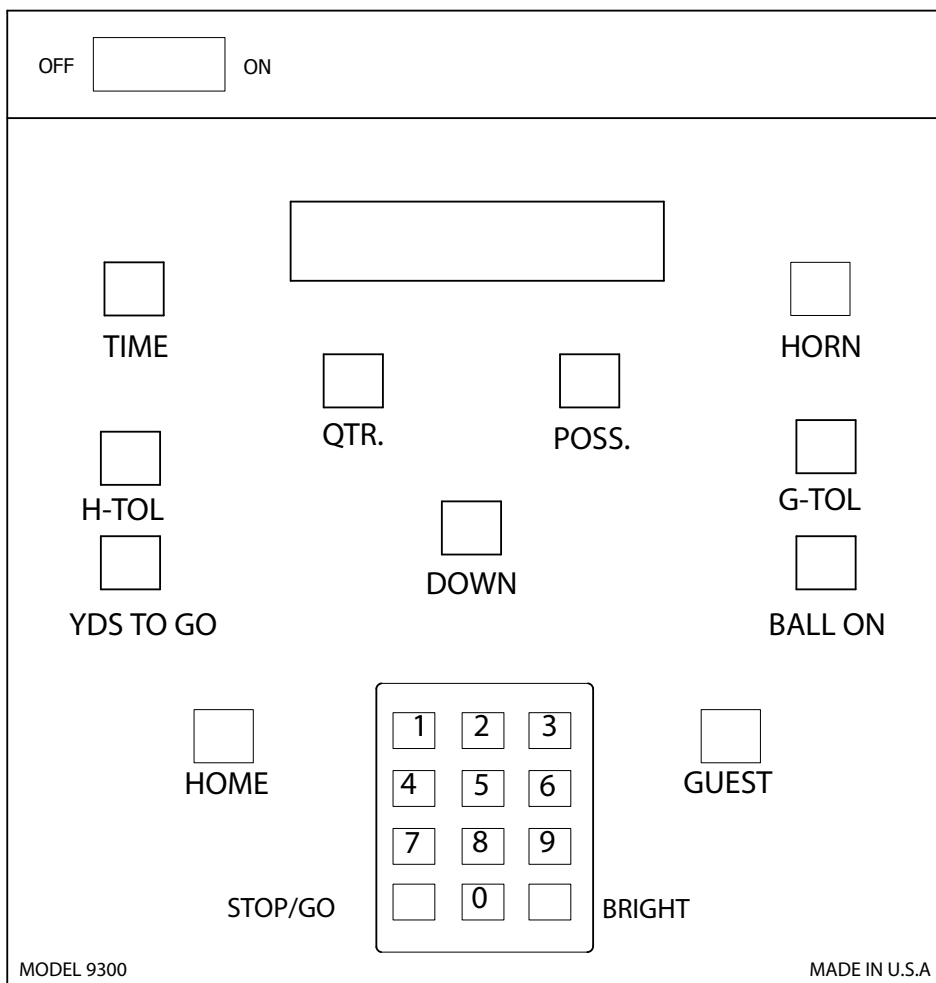
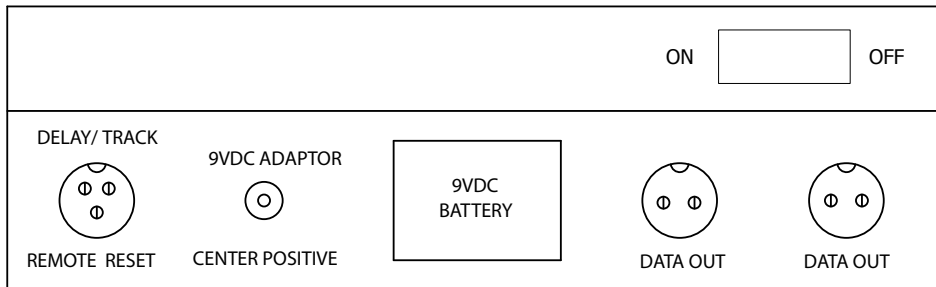
Charging

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.

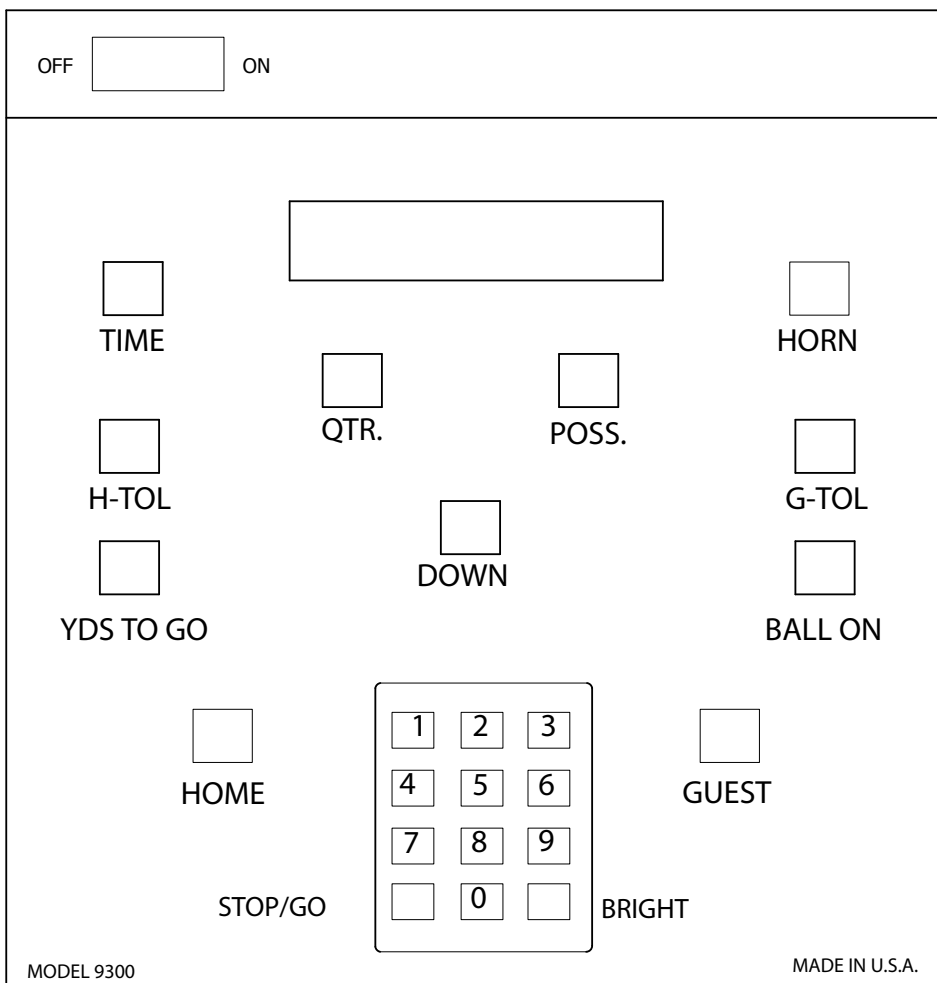
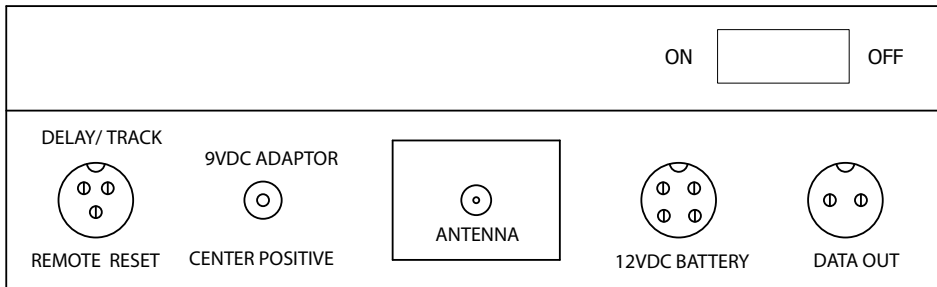
NOTE: The Battery should NOT be left in the Recharging mode for more than 24 hours as this can damage the cell.

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.

9300 SERIES CABLED LCD CONTROL CONSOLE



9300 SERIES 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 four screws and slowly pull digit away from scoreboard.
3. Detach 9-pin segment data cable connector by pushing down the latch on the side of the locking connector and pulling up. See Diagram.
4. Take the new digit and replace data cable connector in the scoreboard to the connector on back of digit. DO NOT FORCE. The data cable connector is polarized and can only be installed in one direction.
5. Replacing digit is the opposite of removing.

Removing the Power Supply Box (in the front of the scoreboard):

1. Remove front access panel's plastic rivets from the top and bottom of panel.
2. Slowly remove power supply.
3. Remove segment data ribbon cable connector.
4. Unscrew power wires from 8-pin terminal strip. Observe and mark the location and color of each of the wires. Disconnect large 22/44-edge connector from the power supply by sliding the connector from side of power box, you may have to rock the connector to get it to slide off.

Replacing the Power Supply Box:

1. Screw the power wire terminals to the 8-pin terminal strip the way you marked them when they were removed.
2. Reconnect 22/44 edge connector to side of power box.
NOTE: this is a polarized connector and is inserted in only one direction.
Replace segment data ribbon cable. Note: this polarized connector is inserted in only one direction.
3. Before closing, check out scoreboard.

TROUBLESHOOTING PROCEDURES

Unit Doesn't Power Up:

1. Make sure you have 110VAC going to the outlet.
2. Check the fuse on the power supply by removing the (4) four screws securing the power supply cover, tilting the top of cover forward.
3. Fuse holder cap will be on the upper right hand side of the power supply.
3. Using a flat head screwdriver, rotate the cap counterclockwise quarter turn to remove the fuse.
4. Test the fuse with an ohmmeter to check if it is blown.
5. If the fuse is blown, replace it with a 250-volt, 1-amp fuse and reinstall fuse cap and power supply cover.

Lazy Segments:

1. If a lazy segment is detected and you are using the optional 12-volt battery be sure the battery is fully charged.
2. If the battery is fully charged and the lazy segment appears to be in only or two digits remove the digit window as described in the digit removal procedure.
3. Carefully move the suspect segment back and forth with your finger to free any debris.
4. Using **compressed air only**, blow excess debris out of segment works.
5. If problem persists, contact Eversan, Inc.

CAUTION: DO NOT SPRAY DIGITS WITH ANY LUBRICANTS. DOING SO WILL VOID THE WARRANTY.



www.eversan.com

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FOOTBALL SCOREBOARD**

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