

# EVERSAN

## MODEL 9712

*PORTABLE SHOT CLOCK*



[www.eversan.com](http://www.eversan.com)

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**SCOREBOARDS • TIMERS • MESSAGE SIGNS • VIDEO DISPLAYS • WIRELESS**

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## Product Overview

The Model 9712 shot clocks can be used as a standalone system or in conjunction with compatible Eversan, Inc. scoring systems.

## Check List

- Model 9712 shot clock (2)
- Antenna (2) (wireless systems only)
- 2-Conductor control cable (cabled systems only)

## Optional Equipment

- Standalone control console with LCD readout (includes 9VDC power adapter)
- 12VDC battery for control console

**NOTE:** Please check that the listed are available before initial test of the system.

## Customer Shipping Inspection

1. Unpack and verify that all listed items are present.
2. Wireless system test:
  - a. Install the antenna onto the 9712 clocks.
  - b. Plug in the 9712 clocks and dashes "-" should be displayed.
  - c. Attach the antenna to the control console.
  - d. Plug in the 9VDC power adapter to the control console.
  - e. Power on the control console and the 9712 clocks should cycle through a diagnostic check by displaying an eight "8" on each digit.
3. Cabled system test:
  - a. Connect the 2-conductor cable to the "DATA" port on the control console and the 2-pin connector on the 9712 clocks.
  - b. Plug in the 9712 clocks and plug in the 9VDC adapter to the control console.
  - c. The 9712 clocks will begin the diagnostic check by displaying and "8" on each digit.
  - d. Power on the control console.
4. Verify normal operation as outlined by the "Operation Instructions" section.

# Operation Instructions

**Mode Selection:** When the control console is initially powered on, it will cycle through the available sport modes. Using the 0-9 digit keypad, select the number corresponding to the desired sport. Settings and information like the time period are saved individually for each available mode.

**Start/Stop The Timer:** Press and release the STOP/GO button to toggle the state of the timer. When the timer is running, an arrow indicating whether the timer is counting up or down will show adjacent to the current time.

**Set Master Timer Duration:** Press and release the TIME SET button to allow modification of the master time period. The 0-9 digit keypad can then be used to enter the desired master time period.

**Reset To Master Time:** Press and release the RESET button to reset the running time to the set master time period.

**Set Auxiliary Timer Duration:** Press and release the AUX. TIME SET button to allow modification of the auxiliary time period. The 0-9 digit keypad can then be used to enter the desired auxiliary time period.

**Reset To Auxiliary Time:** Press and release the AUX. RESET button to reset the running time to the set auxiliary time period.

**Brightness Control:** Press and release the BRIGHT button (#) followed by the desired brightness level using the 0-9 digit keypad. Brightness level 9 is the brightest, level 1 is the dimmest, and level 0 will blank the displays.

## Wireless Operation (If Equipped)

When starting up a system with wireless modules installed, it is imperative to follow the proper start-up procedures:

1. Ensure that the control console is powered off as well as the scoreboards/displays.
2. Turn on the scoreboards/displays that will be targets for the control console.
3. The scoreboards/displays should show dashes "-" on all digits indicating that they are ready to link to the wireless control console.
4. Turn on the control console and a WIRELESS ID should be displayed on the LCD screen.
5. If the wireless link is successfully established, the scoreboards/displays will begin a diagnostic check where an eight "8" is displayed on each digit.
6. After the diagnostic check, the scoreboards will show the expected data from the control console.

**NOTE:** If the scoreboard/display does not initiate the diagnostic check after powering on the control console, verify that both antennas are installed properly and are not physically damaged.

## Wireless Control Console Battery Operation (Optional)

1. Turn the scoreboard/display 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 below).
3. Power on the external battery and then power on the control console.
4. Continue operation as described above.

## External Battery Care

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

## Charging

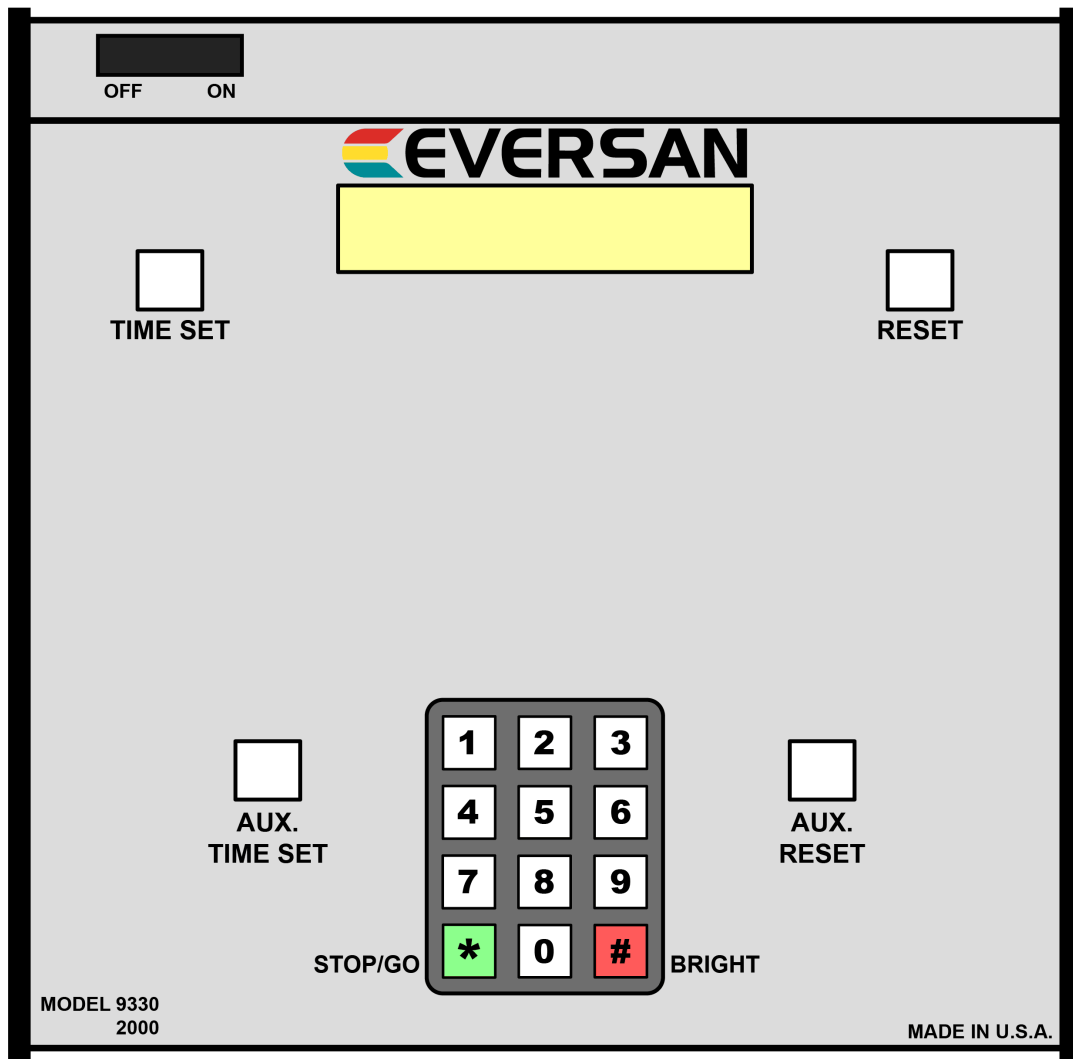
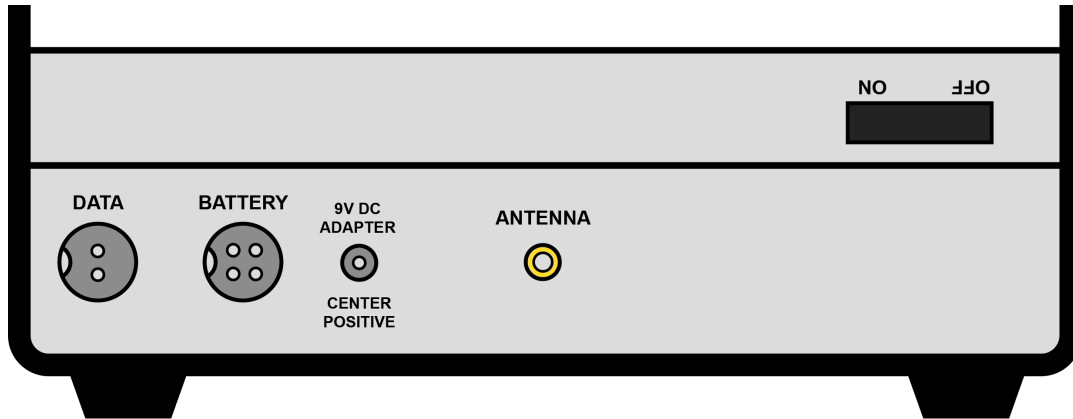
The battery should be charged after each use. Insert the barrel plug of the battery power adapter into the receptacle on the battery. Then plug the battery power adapter into any standard 120VAC household outlet. Depending on the amount of drain on the battery, the following is a guide for recharging time:

- 25% discharge requires 4 hours of recharging
- 50% discharge requires 8 hours of recharging
- 100% discharge requires 14 hours of recharging

**NOTE:** The battery should NOT be left in the recharging mode for more than 24 hours as this may damage the cells.

**CAUTION:** Do NOT attempt to charge the battery on currents other than 110-120VAC at 60Hz. Do NOT attempt to use the battery during charging.

## Control Console Overview



## Maintenance of Displays

Eversan display systems are designed to provide many years of trouble free performance. These products feature modular designs to allow 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.**

## Removal and Replacement Procedures

Should repair become necessary, the customer will note that each digit "88" is housed as an individual item within the display.

### Remove/Replace Digits

1. Remove all power from the displays.
2. Remove the antenna, the antenna nut, and lock washer and be sure not to misplace these.
3. Unscrew the 4 screws and slowly pull the digit away from the scoreboard.
4. Take note of the connector locations before detaching the power, horn, and LED strip cable connectors from the back face of the digit.
5. Carefully remove the antenna wire as there is an additional washer on the inside of the case.
6. Take the replacement digit and insert the cable connectors into the receptacles on the back face of the digit. **DO NOT FORCE**. The connector is keyed such that it can only be inserted in the correct orientation.
7. Insert the antenna wire from the inside of the case ensuring that the teeth of the washer are directed towards the interior face of the case.
8. Fasten the antenna wire by fastening the lock washer and the nut from the outside of the case.
9. Replace the 4 screws to fasten the replacement digit into the scoreboard.
10. Test the system by following the normal operating procedures to verify that the issue has been resolved. If the problem persists please contact Eversan, Inc.



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