# GENERAL

## SECTION INCLUDES

### Multisport LED scoreboard

## SUBMITTALS

### Product data: Submit manufacturer’s product illustrations, data and literature that fully describe the scoreboards and accessories proposed for installation.

### Shop drawings: Submit mechanical and electrical product specification drawings.

### Maintenance data: Submit manufacturer’s installation, operation, and maintenance manual(s)

## DELIVERY, STORAGE, AND HANDLING

### Product delivered on site.

### Scoreboard and equipment to be housed in a clean, dry environment.

## Project CONDITIONS

### Environmental Limitations: Ensure installation environment is similar to application environment.

### Field Measurements: Coordinate scoreboard location and height with the customer. Verify dimensions by field measurements.

### Supply weight and mounting for owner to verify that building structure is capable of supporting the scoreboard's weight in addition to the auxiliary equipment.

## quality assurance

### Source Limitations: Obtain each type of equipment through one source from a single manufacturer.

## WARRANTY

### Provide 5 years of parts coverage

### Provide toll-free service coordination

### Provide technical phone support during Colorado Time Systems business hours

# PRODUCTS

## manufacturer

### Colorado Time Systems, 1551 E 11th St, Loveland, Colorado 80537

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## Product

### This indoor/outdoor LED scoreboard provides wireless scoring capabilities, and includes HOME, GUEST, TIME, PERIOD, and TIME OUTS LEFT displays. An adjustable 8-tone 125dB horn provides clear, audible end-of-period and other notifications. Integrated time-of-day functionality allows the scoreboard to act as a clock when control console is off. Weather-proof digits and electronics are housed in a powdercoated aluminum chassis, which provides excellent corrosion resistance. Scoreboard is shipped as one piece for ease of handling and installation.

## scoreboard

### General information

#### Overall dimensions: 2’-4” High X 6’-0” Wide X 4-1/4” Deep (0.71 m X 1.83 m X 0.11 m)

#### Weight: 70 lbs (31.8 kg)

#### Power: 115 VAC – 230 VAC, 50/60 Hz, 220 W. Batteries included with charging circuitry

#### Enclosure color: 9 standard offerings with unlimited custom options

### Construction

#### 5052 aluminum chassis

#### Scoreboard face and perimeter: 0.063" thick

#### Scoreboard back: 0.063" thick

#### Digit faceplates: 0.093" thick polycarbonate

### Digits

#### Seven bar segments per digit with integrated dot

#### HOME, TIME, GUEST: 10" (254 mm) high

#### PERIOD: 7” (178 mm) high

#### TIME OUTS LEFT: 2” (50 mm) diameter dot/arrow

#### Color – All red, all amber, or mixed

### Horn

#### 125dB

#### 8 selectable, distinct tones

#### Separate audible tones for shot and period horns

#### Sounds automatically when period/shot clock counts down to zero

#### Sounds manually as directed by operator

### Captions

#### HOME, GUEST, PERIOD, TOL: 4” (102 mm)

### Power Cord

#### Cord is 10' (3.048m) long

#### Cord plugs into a standard grounded 120 V AC outlet

### Optional Equipment

#### Scoreboard striping – typically same color as captions

#### Striping around individual digit sections

#### Multiple caption options

#### Shot clocks, timers, auxiliary displays

#### Backboard lights

#### Advertising/identification panels

#### Decorative accents

#### Mounting brackets

#### Add-on video display units of various sizes

## SCORING CONSOLE

### Console is a WTTC-1 wireless controller

#### Capable of wireless or wired operation

#### Reliable wireless operation up to 1,000 ft.

#### 2.4GHz operation with 12 operating channels

#### Ability to control multiple scoreboards with a single controller

### Capable of scoring multiple team sports

### Capable of controlling other Colorado Time Systems multisport scoreboards

### Console has a maximum power requirement of 5 watts

### Console has a battery life of 15 hours continuous use

### Console includes:

#### A rugged aluminum enclosure to house electronics

#### A sealed membrane water-resistant keyboard

#### A internal rechargeable battery

#### A transflective display featuring 64X240 resolution

#### Slide-in inserts for multiple sport controllability

### Optional Equipment

#### Carrying case for console

# EXECUTION

## EXAMINATION

A. Verify that surfaces scoreboard will be mounted on are ready to receive work. Verify that placement of conduit and junction boxes are as specified and indicated in plans and shop drawings.

## INSTALLATION

### Power conduit cables and outlet boxes to be provided and installed by the electrical contractor. Signal raceways conduit and boxes to be provided by the electrical contractor. Electrical contractor is responsible for pulling, signal wire, and terminators between each scoreboard and control location. Scoreboard customer to terminate signal and power wires to controller and scoreboard.

### Mount scoreboards and interior displays to wall or supporting structure in location detailed and in accordance with manufacturer's instructions. Unit to be plumb and level.

## 3.03 installation—control center

### A. Provide boxes, cover plates and jacks as required to meet control specifications requirements. Control cables to control panels will be concealed.

### Test the operation of the scoreboard, controller and all control jacks, leave control unit in carrying case and other loose items with owner's designated representative.

##### END OF SECTION