

# ECONOMY MASTER CLOCKS

Designed as an economical alternative to the more "sophisticated" Master Clocks, the **ES-192U/ES-194U** and the **LX-192U/LX-194U** have proven their value time and time again. These units feature a .56" six-digit yellow LED display and an **ESE** Serial Time Code output (capable of driving up to 100 Slaves at a distance of up to 4000 feet). Accessible on the rear mounted 9-pin D-sub connector are a 1 PPS Output, remote access to the two setting controls (Set and Select) and an External Sync Input (capable of synchronizing the unit with an external time reference).

These units provide a cost-effective solution whether the need is for the first building block of an economical Master Clock System or for a "secondary" clock used with an ES-150 (Automatic Master Clock "Switcher").

## Features:

- **ESE** Time Code Output
- AM/PM Indicator (12 Hr Mode Only)
- 6-Digit .56" LED Display
- Simple Installation & Operation
- Auto DST Correction
- External Sync Input
- 1 PPS Output
- Optional Rack Mount Enclosure
- Optional 4-Hour Battery Back-Up
- Time and Date



**ES-192U**



**ES-192UP**



**LX-192U**

The **LX-192U** (12 Hour) and the **LX-194U** (24 Hour) are mounted in the "LX-" Series enclosure. This sleek design is engineered with the "high-tech" studio or editing suite in mind. The all aluminum enclosure is black texture coated and certain to fit perfectly into any environment where form as well as function is an issue.

The **ES-192U** (12 Hour) and the **ES-194U** (24 Hour) are housed in a black desk mount enclosure. Options 'P' (Rack Mount) and 'Q' (Console Mount) are available with the "ES-" models. And when the Rack Mount is specified, an optional battery back-up is also available.

The accuracy of these units is dependent entirely upon the power company's line frequency, an external sync input or the optional crystal time base. Time is set via two setting controls (Set and Select).

## Specifications

**Electrical:** 117 VAC, 50/60 Hz  
**Power:** 8 Watts Maximum  
**Mechanical:** Desk Mount (LX-), 8" W x 1.7" H x 6" D  
 Desk Mount (ES-), 8" W x 2.8" H x 6" D  
**Displays:** Six Digits, Yellow LED, .56" High

**Accuracy:** Dependent upon Line Frequency  
 Option 'C': ~2-3 Seconds per Week  
**Outputs:** 1 PPS: TTL, 80/20% Duty Cycle  
**ESE** Time Code (TC90): drives 100 Slaves @ 4000'  
**Options:** BBU, C, D, HR, J, P, P2, Q, RS, UL

