MASTER CLOCK
SYSTEM SWITCHER

The ES-151 is an Automatic Time Code Switchover unit. It is designed to provide a simple/automatic method for switching between a Primary Master Clock and a Secondary Master Clock.

Features
- Rack Mount Enclosure
- LED Status Indicators
- Simple Installation & Operation
- Automatic Time Code Switchover
- Seven Standard Input/Output Circuit Switchovers

The unit receives ESE time code from two different sources (A & B) and if a fault is detected from the Primary Clock (A), the ES-151 automatically switches to the Back-up Clock (B). Once a fault is detected, the unit remains in the “B” state until manually reset. Front panel mounted LED’s indicate status and a toggle switch allows manual switching between A and B.

SPECIFICATIONS

Active I/O Circuits: ESE Time Code
Passive I/O Circuits: IRIG-B, IRIG-E, ASCII (Broadcast & Query), 1 PPS (20% & 50%)
Electrical: 117 VAC, 50/60 Hz
Power: 2 Watts
Mechanical: 1.75” x 19” Rack Mount, 10” Deep

ESE & SMPTE PCI CARD

The PC-471 PCI is a PC card designed to plug into any computer with a vacant PCI slot. The unit continuously reads Time Code (selectable ESE TC76, TC89, TC90 and SMPTE Formats L, E, S) and updates the time of the PC. The card may be installed in a 32-bit slot or a 64-bit slot. Windows® (98/NT/2000/XP) compatible software is provided which synchronizes the PC clock. The software also allows selection of Time Code, Update Rate and Time Zone Offset.

Features
- Simple Installation & Hands-Off Operation
- Synchronizes PC To Master Clock System
- Reads SMPTE or ESE Time Code
- Windows® Software Included
- Time Zone Offset

Specifications
- Signaling Protocol: 3.3V or 5 V
- Time Code Input: ESE (TC76, TC89, TC90) or SMPTE (Formats L, E, S)
- Drift Rate: +/- 1 Second per month
- Card Size: 5.25” L x 3.75” H
- OS Requirements: Windows® 95 or higher
- Connector: BNC